

LIFE



ADMIRAL NIMITZ
PACIFIC COMMANDER

MARCH 6, 1944 **10** CENTS
YEARLY SUBSCRIPTION \$4.50

"CAN'T KEEP A GOOD MAN DOWN..."

They kept one gun going . . .

And it swept the dunes like a breeze from hell . . . and the sound of bullets ricocheting was the sound of sandpipers crying along all the dreary beaches of the world.

I don't remember very well . . .

The air stank of cordite and the earth quaked under the roar of our bombs and the surf-beat of our shells. And we figured they'd either come out of their box or the walls would fall. Our orders were to take it . . . God knows how . . . and we had to take it, even if we died, because if we didn't we were done for, anyhow.

I don't remember very well . . .

Except, somebody faked and drew their fire and I went in and put both grenades through the slit, but the one in my left hand I held a little too long . . .

I don't remember very well.

Somehow, I never thought it would end this way. I never thought I'd go home like this. But whatever comes next, I'll take in my stride because in my home town, in my home state, in my America, you can't keep a good man down!

I'll get along . . .

Because my America was built by men who kept working and fighting and moving on when they looked licked and their time was up and they were done . . .

And all I ask is the chance *they* had, the chance of an individual fighting man when the chips are down . . . and the opportunity to go ahead in a land where nothing and nobody cuts great men down . . . where no false power builds little men up . . . where *every* man is free to make the most of himself and his ability . . . where every man and woman and child is a free *individual* . . .

free to live their lives as they want them, in liberty, and equality.

That's the America I fought for.

That's the America I'll be looking for when I come back.

Here at Nash-Kelvinator we're building Pratt & Whitney engines for the Navy's Corsairs and Grumman Hellcats . . . Hamilton Standard propellers for United Nations bombers . . . governors, binoculars, parts for ships, jeeps, tanks and trucks . . . readying production lines for Sikorsky helicopters. All of us devoted to winning this war . . . to speeding the Peace when our men will come back to their jobs and homes and even better futures than they had before . . . to the day when together we'll build an even finer Kelvinator, an even greater Nash!



NASH-KELVINATOR CORPORATION
Kenosha • Milwaukee • DETROIT • Grand Rapids • Lansing

Let's All Back the Attack
Buy Extra War Bonds



NASH 
AUTOMOBILES **KELVINATOR** 
REFRIGERATORS • ELECTRIC RANGES



Workaday hands can have a "Luxury Look"!



Yes—your hands can stay on the beauty shift—even though you're busier than ever before! The secret's Trushay—a different kind of lotion—made to a special formula. You use Trushay *beforehand*—before you wash undies, or do the dishes—before hot, soapy water can mar soft hands!



You almost need two pairs of hands these days. (You're wanted in so many emergency jobs.) Well, Trushay's the next best thing! Used *before* soap-and-water tasks, it helps you keep a "Sunday pair of hands", every day in the week—guards against roughness and dryness!



For look-prettier evenings, Trushay's marvelous! Use it *beforehand* to guard the smoothness of your hands. Then try it as a powder base. (It's clinging, fragrant.) Or for rough elbows and knees—or all-over body rubs. So rich, a few drops are all you need. Get Trushay, at your druggist's.



PRODUCT OF
CRISTOL-MYERS

TRUSHAY*

*Trushay was formerly called Toushay. A slightly different name—but the same "beforehand" lotion.

THE "BEFOREHAND" LOTION that guards hands even in hot, soapy water



Reception for an automobile tire

The guests asked a question that was answered 80 million miles later

THEY WATCHED intently that June afternoon in 1940, eighteen months before Pearl Harbor. A tiny cardboard ship moved across a map of the Atlantic Ocean. The president of B. F. Goodrich described the little ship's voyage—bringing rubber from Malaya through the Suez to New York.

Suddenly the ship exploded, disappeared. The business men, editors and reporters in the Empire Room of New York's Waldorf-Astoria got the point even though many still said it was "a very remote possibility."

Turning, they saw a tire unveiled. It looked like any other tire . . . but more

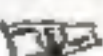
than half its natural rubber had been replaced by the new B. F. Goodrich synthetic. It was the first tire containing synthetic rubber ever offered for sale to American car owners.

The price had to be one-third higher than current tire prices. But that didn't stop people from buying. Even owners of large fleets bought. These new tires traveled in every state, in all kinds of weather, on all types of roads.

Today they have totaled more than

80,000,000 miles. And the question everyone had asked—"How good is synthetic rubber, anyway?"—is answered by actual reports from car owners. Mileages in excess of 30,000 miles were reported. Some reported 50,000 miles!

The tires that B. F. Goodrich makes for passenger cars today are all-synthetic (99.8%) and are almost as good as the tires that were made before the war. Truck tires aren't yet as good, especially in intercity service with overloads, but

are being improved day by day. But the important thing is those extra years of experience . . . they are the reason so many motorists who qualify get their tires from B. F. Goodrich Silvertown Stores and dealers. The B. F. Goodrich Company, Akron, Ohio. 



This One



S2XJ-TXZ-TDTF

It's a GENUINE-REGISTERED Keepsake

GIVE YOUR
WIFE NOW
THE RING
YOU PROMISED
LONG AGO . . .



My darling wife!
You married me on faith and
I'll always love you for it. At the
time, I couldn't give you a diamond
engagement ring but I made a silent
vow that someday... somehow... you'd
have a ring that would be the true
symbol of our love.
So, here it is on this anniversary
of our wedding. I can think of no
finer tribute than this genuine
registered "Keepsake." May its
loveliness reflect the great love I
hold for you. Dick

A genuine registered "Keepsake" Diamond Ring is the finest gift of all for a birthday, wedding anniversary or any gift occasion. The glorious fire and color of a perfect Keepsake Gem Diamond, the distinguished styling of the ring, and the time-honored quality "Keepsake" represents will bring pleasure and satisfaction through the years. The Keepsake Certificate of Registration and Guarantee is part of your purchase. At your Keepsake Jeweler . . . to \$2500.

Listen to the Keepsakes Program each Sunday night on the Blue Network. A \$500 Keepsake "Diana" is given free each week.

The Best Investment of All . . . a U. S. War Bond



Malden Set 525.00
Engagement Ring 400.00
Also at \$350, 675, 750,
850, 975, 1250 and 1650



Venice Set 350.00
Engagement Ring 250.00
Also at \$350 and \$50



Lawrence Set 450.00
Engagement Ring 350.00
Also at \$600, 750 and
975



Waverly Set 400.00
Engagement Ring 300.00



Beverly Set 207.50
Engagement Ring 200.00



Diana Set 587.50
Engagement Ring 300.00

If it is a "Keepsake" the name is in the ring. Rings enlarged to show details.

Write to Keepsake Diamond Rings, A. H. Pond Co., Inc., 214 S. Warren St., Dept. L, Syracuse 2, N. Y., for FREE brochure showing illustrations of Keepsake Diamond Rings, information on how to select your diamond ring with confidence and the name of the nearest Authorized Keepsake Jeweler.



Name _____
Address _____
City _____

LETTERS TO THE EDITORS

CONTINUED

pair of scissors to every LIFE of that issue I could get hold of. And, inasmuch as it is a picture of a moment experienced by my husband and me several times in the past two years, it means a great deal to both of us.

MRS. SHIRLEY M. HENRICH
Oceanside, L. I.

BALTIMORE BALLAD

Sirs:

I have just read "The Battle of Baltimore" in the Feb. 14 issue of LIFE.

I have seen the same poem adapted to Beaufort, S. C., where I am now stationed.

Apparently this poem is being adapted to almost every overcrowded town in the U. S.

Y/2c GEORGE OLIN MIDDLETON
Beaufort, S. C.

Sirs:

That poem was originally written about New Orleans.

MRS. WM. C. CURRY
Bloomington, Ind.

Sirs:

. . . and New Orleans retallated:

So you don't like New Orleans and you think we stink.

Well, brother, our blood pressure is rising so let us tell you what we think.

So you think our streets are dirty and we have plenty of rats.

Well, the exterminators and street cleaners are out fighting the Japs! . . .

Would give their right arm to have the privilege accorded to you.

Why don't you twing your fighting spirit on the Japs and the Axis

Instead of sitting idle complaining about the taxes.

MRS. D. H. McCUAIG
New Orleans, La.

"THE REPUBLIC"

Sirs:

In *The Republic* I state in substance that women now vote, hold office and, as persons and/or citizens, are entitled to all the rights, privileges and immunities conferred on persons and/or citizens by the Federal Constitution. Several readers of LIFE have written to me saying that the statement is false or misleading and that there are numerous discriminations against women in the United States. I beg permission to make this letter answer many letters.

My statement is, in my opinion, correct, but there is no space here to argue the point. My critics are right when they say that there are numerous discriminations against women. Many such discriminations, in my judgment, violate the constitutional provisions to which I refer and might be removed by the vigorous prosecution of suits at law under these provisions. Most of the discriminations, however, occur in statutory, administrative, and judge-made law (federal and state) which is not covered by those provisions. They might

Time, LIFE, Fortune and the Architectural Forum have been cooperating with the War Production Board ever since Jan., 1943, on the conservation of paper. During the year 1944 these four publications of the Time group are budgeted to use 73,000,000 pounds (1450 freight carloads) less paper than in 1942. In view of resulting shortages of copies, please share your copy of LIFE with your friends.

(continued on p. 6)

EVEN SLIGHTLY BLEEDING GUMS may mean you have GINGIVITIS!



Neglect Often Leads To PYORRHEA Which Only Your Dentist Can Help

What is Gingivitis that it is said 4 out of 5 of us may have? Well it's a mild gum inflammation BUT one of the most common enemies of healthy handsome teeth and firm gums.

Some of the first signs to watch for are tender, bleeding gums!

NEVER NEGLECT GINGIVITIS! Because neglect often leads to Pyorrhea with its shrinking gums and loosening teeth which only your dentist can help. See him every 3 months. Then remember this!

Made Especially For Both
Massaging Gums and Cleaning Teeth

Twice daily—massage your gums and brush your teeth with Forhan's Toothpaste to help gums be firmer. Clinical investigation proved this Forhan Method is one of the very best ways to help guard against Gingivitis.

Notice how refreshed and stimulated your gums feel—how naturally bright your teeth look. Don't wait—start using Forhan's Toothpaste tonight. Used and recommended by so many dentists for over 30 years. At all drug, department and 10¢ stores.

NO HARSH ABRASIVES IN FORHAN'S!



FOR FIRMER GUMS—CLEANER TEETH

"To think I had to be coaxed!"

I've gone and done it!

Bill's letter, this morning, was the last nudge. He wrote: "Haven't you given that pint of blood yet? You ought to be spanked!"

So I squirmed, and trotted to the Blood Donor Center, wearing a little extra lipstick to help me feel brave.

Well—there wasn't a *thing* to be brave about! A pin-prick, and then they have you clench your fist a few times, and then you get a little bandage....easy as that!

Sure made me feel good in the Conscience Department. So darn good I decided to come home and sail right into those other things I've been putting off!

I'm starting with my linen closet. Going to check up on my lovely Cannon Percale Sheets again. Want to make sure I'm not missing any linen-closet tricks to make 'em last longer!

Oops! How'd these get here?

Miscellaneous medicine bottles in the linen closet—that's bad! They might tip or leak and stain my sheets!



Hmmm—circulation's okay!

I try to give all my sheets equal wear. Fresh-washed ones go on *top* of the pile—and I take off from the *bottom*.

Nope—no mildew!

Got to watch that—bad mildew's incurable! I always iron my sheets the same day I sprinkle 'em—and I make sure they're *thoroughly* dry before I put them away.

And how're YOU doing, gals?

If you cross-your-heart *must* have sheets—*can't* "make do"—consider Cannon Percals! Feel how soft and smooth—*yet they cost about the same as heavy-duty muslin!* And being woven with 25% more threads than the best-grade muslin, Cannon Percale Sheets are bears for wear!

'Course, you may run into this . . .

These days, you may not always find just the sizes you want in Cannon Percale. Then just ask to see Cannon's economy Muslin Sheets—well-constructed and long-wearing. P.S. Don't forget that Cannon Towels grow on the same family tree!

Cannon Mills, Inc., New York 13, N. Y.



Cannon Percale Sheets

Made by the Makers of Cannon Towels and Hosiery

FOR VICTORY—BUY U. S.
WAR BONDS AND STAMPS



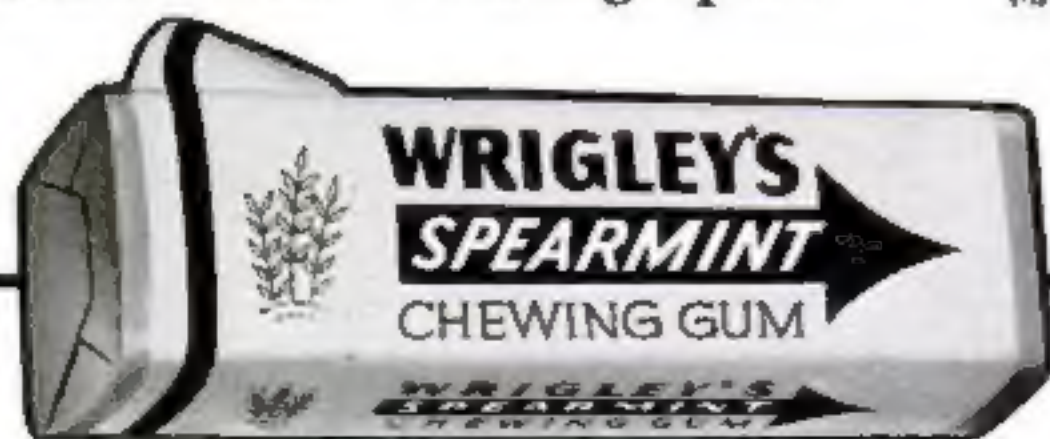
**America's Teachers
are doing important work
They're helping our youngsters
get ready to carry on tomorrow
...all that we are fighting and
working for today.**

Our teachers are so much a part of peace-times and our normal, everyday American way of living, many of us sometimes overlook the fact that the teaching of our children is one of our most important war jobs.

Now, Wrigley's Spearmint Gum has long been thought of just as a casual, little peace-time enjoyment. Today, however, millions more than ever before have found Chewing Gum really useful. Especially so in certain branches of our

Armed Forces and war production plants—for the simple reason that chewing seems to reduce fatigue and nervous tension and just naturally keeps the mouth comfortable and moist.

Frankly, under present conditions, we do not want to increase the demand for Wrigley's Spearmint Gum but we do want people to know and think of our product in terms of its true usefulness when used in the right way in the right place.



LETTERS TO THE EDITORS

CONTINUED

be removed by appeals to legislatures, federal and state, or by an amendment to the Federal Constitution. In any case, rights are not self-enforcing and women, will have to keep battling for them, as men do, in legislative committees, legislatures, and courts of law, to make real in life any rights proclaimed on paper.

CHARLES A. BEARD
Tryon, N. C.

ABSENT FONTAINE

Sirs:

In your Feb. 14 issue you printed a picture of the stars at the President's party. Under it you list: Joan Fontaine, Martha Scott, Mary Martin, etc. I have looked the picture over carefully; all present but my poor Joan.

Oh, sob!

WOODY BURGESS
Mountain Home, Ark.

For readers whose copies of the Feb. 14 issue slipped too far under the trimming knife: an unsliced picture below.—ED.



KANSAS

Sirs:

Congratulations on your impressive essay "Kansas" (LIFE, Feb. 14).

I am a Kansas farmer and I know you did a fine job for the people of my state.

ELWOOD TIPPIN
St. Louis, Mo.

Sirs:

Thanks for your pictures of Kansas. When my husband and I came East people we met asked where Kansas was. I hope they read LIFE.

We all love every part of Kansas and are happy to see that LIFE has taken an interest in us.

MRS. O. O. BARTON
Pittsfield, Mass.

Sirs:

Here is the Wichita Eagle's headline for a story on LIFE's picture of Wichita. I, for one, would like to know how long your photographer spent at his

LIFE'S PHOTO OF CITY FAILS TO MAKE HIT

point of vantage in order to get a picture with so little traffic on the street. Our Chamber of Commerce is sending you a better picture.

MRS. U. B. HAWBECKER
Wichita, Kan.

Sirs:

People customarily judge a city by the appearance of its downtown business district, a fact that you apparently recognize by picturing the main business streets of Topeka and Emporia. You very definitely injure Wichita in the minds of your readers when, in juxtaposition with these two views you place a view of a Wichita street, photo-

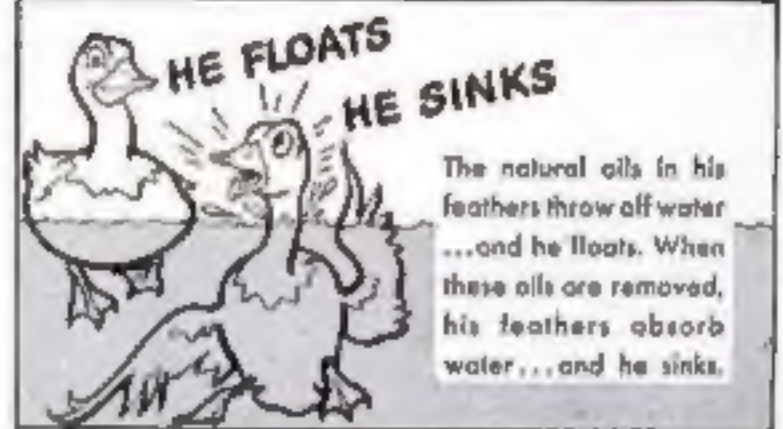
SHINE 'EM UP?



A shine is the sign of a healthy shoe

Take it from "Shiny," the duck—he knows from experience how oils protect. The natural oils in his feathers prevent them from absorbing water. Shinola "treatments" (liquid, paste, or cream) provide similar protection for shoes.

SCIENCE TELLS WHY!



Each Shinola shine is a thin, pliable, protective film of oily waxes. This Shinola film, or shine, helps repel water, dust, and grime... and so maintain the natural flexibility of the leather longer.



Remember... the time to start caring for your shoes is when they're new. The Shinola "treatment" can give you months of added wear and comfort, as well as that well-groomed, polished look.

SHINOLA

Liquid, Paste, or Cream...in all Colors

KEEP 'EM SHINING
WITH SHINOLA

10¢



A Product of
The Best Foods, Inc.

(continued on p. 8)

The ONE brand name that's a
grand name the world over

KAYSER

The Sun never sets on Kayser Quality

If you must Buy--be wiser, buy Kayser
Gloves, Hosiery, Underwear, Lingerie--
--But Buy, Buy BONDS

IT'S **EASY** TO
KEEP YOUR ALUMINUM
CLEAN AND **BRIGHT**
with Wear-Ever Aluminum Cleanser



Contains a **BUILT-IN**
WATER SOFTENER
to speed
cleaning action

TRY IT!
2 big boxes
for 29¢

more
BUY WAR BONDS

POLISHES AS IT CLEANS
Conserves precious aluminum

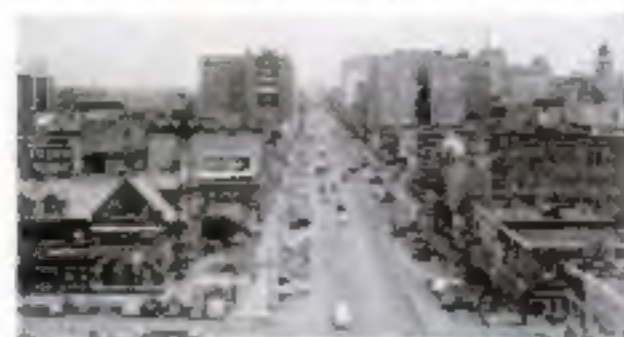
Just sprinkle it on and
rub with a wet cloth
Cleans
sinks, tubs,
woodwork, too



On sale at Department, Hardware and Housefurnishing Stores

LETTERS TO THE EDITORS CONTINUED

graphed from approximately the same angle and vantage point as the main business streets of those two cities. This similar treatment cannot help but mislead any reader not familiar with



CHAMBER OF COMMERCE VIEW

the facts into believing that the Wichita picture is likewise meant to present the city's downtown district, which is most certainly not the case.

Herewith a better picture.

RALPH S. HINMAN

The Wichita Chamber of Commerce
Wichita, Kan.

BACK COPIES FOR PRISONERS

Sirs:

My brother was captured at Corregidor. For a year he was listed as "missing in action" before the Japanese announced that he was a prisoner. Since that time he has been allowed to send my mother just five prisoner-of-war postcards.

On one of these cards he wrote the following message: "Please see that subscription to LIFE is kept up."

The fact that my brother could only write a few words to the folks at home and that he chose to ask that LIFE be saved for him clearly shows how our prisoners are depending on your magazine for news and stories of the war when they eventually come home.

LUCIEN E. BARKLEY, USN

During the past several months LIFE has received hundreds of letters from relatives of prisoners of war and from prisoners themselves, all asking that subscriptions to LIFE be kept up or that complete files of back copies be saved for their return.

LIFE's Carl and Shelley Mydans, recently returned after almost two years in Jap prison camps, emphasize the urgency of these requests.

LIFE would like to offer all returning prisoners of war who want them all the copies of LIFE they have missed. But the paper shortage and the resulting scarcity of copies makes this impossible. However, LIFE readers can help in making back issues available to returning prisoners.

You can do this in one of two ways:

1. If you have a relative or friend or neighbor now a prisoner of war, save your copies of LIFE for the day he returns.

2. If you do not know a prisoner to whom you can some day give your back copies but are willing to give them for this purpose, let us know—and let us know how far back your copies go. (Naturally, there will be no prisoner demand for copies before Dec. 8, 1941.) LIFE will act as a clearinghouse, collect the names of subscribers who have back copies and the names of prisoners who want them. As these prisoners return, we will arrange to have the copies sent, at LIFE's expense, from those who have saved them to those who want them.

Please write to LIFE Back Copies, 9 Rockefeller Plaza, New York 20, N.Y.—ED.

"Mommy,
don't you
LOVE
me any more?"



I FELT SO GUILTY when Betty said that to me! It was all because of that harsh, bad-tasting laxative I'd been giving her. She simply hated to take the stuff and it upset her something awful!

**SOME LAXATIVES ARE
TOO STRONG!**



I MADE MY SECOND MISTAKE the day I bought Betty that laxative which was supposed to be so very mild. She said it tasted "phooey"—and had an awful time getting it down. To make matters worse, the medicine just didn't seem to do her any good...

**SOME LAXATIVES ARE
TOO MILD!**



I HEARD ON THE RADIO about Ex-Lax! It was such a happy solution to Betty's laxative problem! She actually *loved* its fine chocolate taste. And Ex-Lax brought her effective relief—so thoroughly, yet so comfortably. It's not too strong, not too mild...

**EX-LAX IS THE
HAPPY MEDIUM!**

**IF YOU NEED A LAXATIVE
WHEN YOU HAVE A COLD—**

Don't dose yourself with harsh, upsetting purgatives. Take Ex-Lax! It's thoroughly effective, but kind and gentle.

As a precaution use only as directed.

EX-LAX
THE "HAPPY MEDIUM" LAXATIVE
10c and 25c at all drug stores

**IF IT'S FRIGIDAIRE
IT'S DEPENDABLE**

*"We're eating fresh vegetables
from last summer's
Victory Garden thanks to our
Frigidaire Home Freezer"*



Food Fight for Freedom!
1. Conserve food
2. Share food
3. Play square with food

Frigidaire, busy with war production... today is no less proud of the millions of Frigidaire products, made in peacetime, now serving their users so well, so dependably, in so many helpful ways.

Today, when food is carefully rationed because of the needs of our armed forces, Frigidaire Home Freezers are helping many American homemakers make the most of the food they buy or grow.

After the war, thousands more families, in all walks of life, will enjoy the thrill of owning a dependable Frigidaire Home Freezer. These families will "stock up" when foods are at their peak goodness... when fruits, vegetables, meats and poultry are most plentiful, most reasonably priced! Later—they will "shop" right out of their Freezers... enjoy out-of-season fresh food!

To continue to make Frigidaire products America's first choice is our goal for the future. Our plans must await Victory. But one thing is certain: there will be more and better Frigidaire products for more people—and in their making, more jobs for more men!

Free Book! "How to Freeze and Store Foods"



Tells important things to remember, gives information on preparing, wrapping and storing. Also cooking guides. For your free copy write Frigidaire, 439 Taylor St., Dayton 1, Ohio. In Canada address 39 Commercial St., Leaside, Ontario.

**Listen to
GENERAL MOTORS SYMPHONY OF THE AIR...**
Every Sunday Afternoon, NBC Network



This Frigidaire Home Freezer, one of many that are now helping conserve food in thousands of homes, is typical of models that will be available when production can be resumed.

For Excellence



In War Production

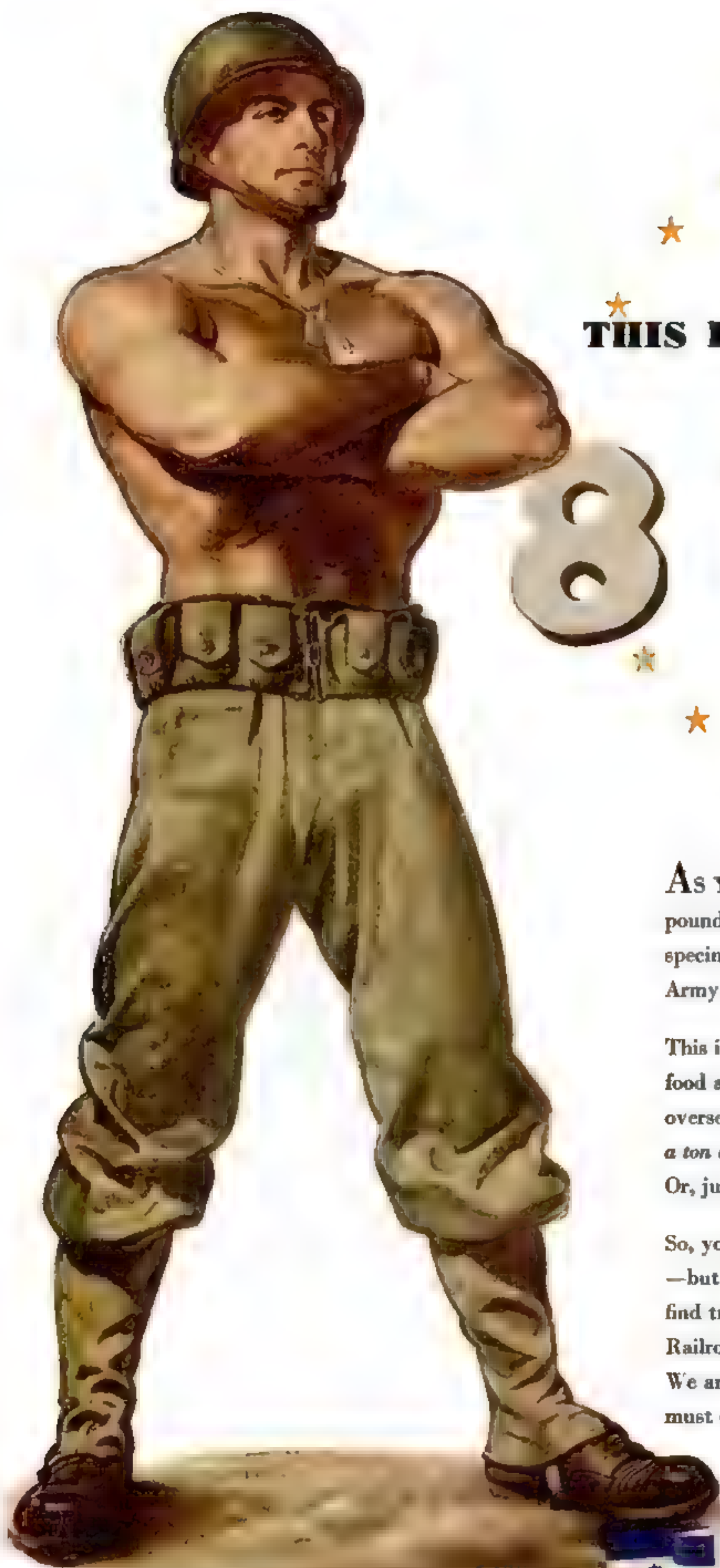
FRIGIDAIRE

Division of

GENERAL MOTORS

Peacetime Builders of

**ELECTRIC REFRIGERATORS • RANGES • WATER HEATERS
HOME FREEZERS • ICE CREAM CABINETS
COMMERCIAL REFRIGERATION • AIR CONDITIONERS
BEVERAGE, MILK, AND WATER COOLERS**



★
THIS FIGHTER WEIGHS IN AT

8 TONS

★
ON OUR SCALES

★
AS YOU would see him on a scale, he would weigh 180 pounds of bone, muscle and fighting energy—a fine specimen of American manhood. But on the scales of the Army—and the Railroads—his “fighting weight” is...8 tons.

1
This is why: the equipment, supplies, ammunition, food and other items required for every man going overseas average close to 8 tons. What is more, he needs *a ton a month* of all these things as long as he is over there. Or, just *twice* as much a day as the soldier in World War I.

So, you see, the railroad's job isn't only moving troops—but all they require, too. Therefore, if you should find travel not all that it used to be, the Pennsylvania Railroad asks you kindly to remember the above facts. We are doing our best to serve you. But military needs must come first, as all Americans would have it.

BUY UNITED STATES WAR BONDS AND STAMPS

Pennsylvania Railroad
Serving the Nation

★ 41,560 in the Armed Forces ★ 99 have given their lives for their country

Romance of the SEVEN SEAS

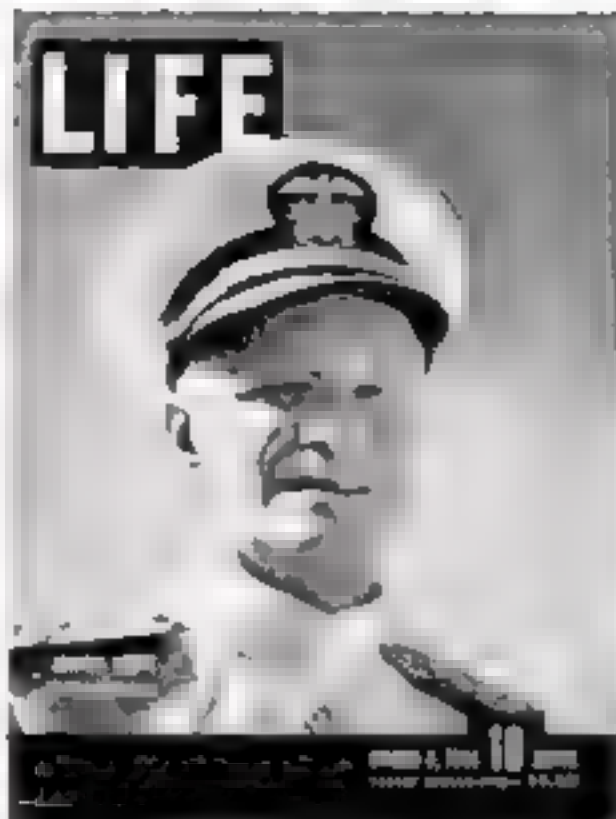


Ready to land! Ready to fight! Ready to love! The vivid story of the American Navy's supermen in the first great screen sensation of the year!

JOHN WAYNE
SUSAN HAYWARD

The FIGHTING SEABEES

with
DENNIS O'KEEFE
William Frawley • Leonid Kinskey
J. M. Kerrigan • Grant Withers
Paul Fix • Director—Edward Ludwig
**A REPUBLIC
PICTURE**



LIFE'S COVER: Admiral Chester W. Nimitz is commander in chief of the U. S. Pacific Fleet, the newest and most powerful fleet in the world. A quiet, austere Texan, he took command on Dec. 31, 1941 when much of the fleet lay broken and sunk at Pearl Harbor. In the two years he has wrought miracles. On pages 41-44 is a story on what his forces have done recently and on pages 100-112 is a text account of the tasks which still lie ahead of him.

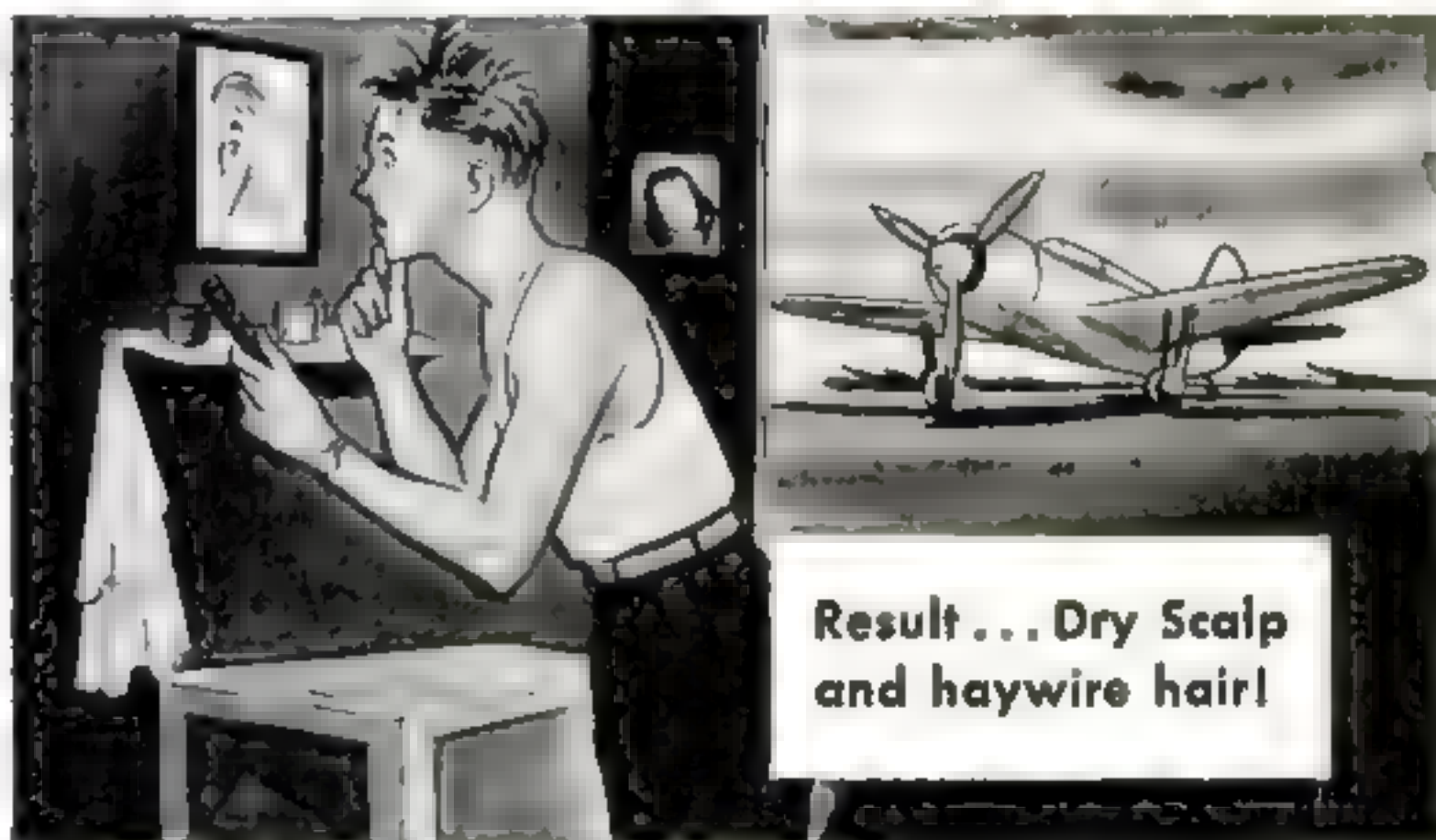
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How G.I. Joe licks the Dry Scalp foe!



In the service
they're in sun, wind
and dust all day...



Result... Dry Scalp
and haywire hair!

but... 5 drops a day keeps DRY SCALP away

...MAKES 'VASELINE' HAIR TONIC FIRST
WITH SERVICE MEN IN AMERICA!



Here's how it keeps your Hair!

By checking Dry Scalp, 'Vaseline' Hair Tonic keeps your hair healthy-looking, well-groomed. That's true whether you're a war worker, business man, or in the armed services, where hair takes the toughest beating of all. Just shake a few drops on your comb daily and run it through your hair—or apply it directly to your scalp. Then before each shampoo massage with plenty of 'Vaseline' Hair Tonic. Get a bottle today and see what it will do for your own hair.

BUY AN EXTRA WAR BOND TODAY!



Vaseline HAIR TONIC

40c
and
70c

REG. U. S. PAT. OFF.



SPEAKING OF PICTURES . . .
. . . THIS IS THE FACE OF AMERICA PAYING ITS INCOME TAX



These candid portraits taken by LIFE's Alfred Eisenstaedt show a small section of greatest mass brow-furrowing in U. S. history. They were made in a Bureau of Internal Revenue information center in New York, where taxpayers were consulting experts about their income tax. Judging by Eisenstaedt's pic-

tures, the face of the U. S. taxpayer may be resigned, quizzical, sad, studious, bemused or shocked. Sometimes it may even wear a sickly smile like a boxer trying to mask the effect of a stiff right to the stomach.

In addition to being a photographic new-beat, the pictures show an unusual technique in candid photog-

raphy. Most photographers make candid pictures by snapping subjects off guard from close range. Eisenstaedt, however, made these with telephoto lens from distance of 40 feet, so that his subjects not only were unaware that they were being photographed, but did not even know there was a photographer in the room.

NOW THAT RATIONING CALLS FOR FEWER ;
... GOOD JUDGMENT CALLS FOR BETTER

FLORSHEIM SHOES

FOR LONGER RATIONED WEAR



The DEARBORN

Under the stress of wartime shortages, Florsheim quality has proved itself again and again ... for when men are told they must buy *fewer*, they're quick to select something *better*. In shoes that means Florsheim—the quality that, for 52 years, has been America's standard of fine shoe value.

Most Styles
\$10.50 and \$11

Florsheim



Shoes

THE FLORSHEIM SHOE COMPANY • CHICAGO • MAKERS OF FINE SHOES FOR MEN AND WOMEN

SPEAKING OF PICTURES

(continued)



Experts and taxpayers discuss income-tax forms in pairs. This information center, one of several in New York area, has averaged over 8,000 puzzled taxpayers a day.



Information center is a single large room with 15,000 square feet of floor space. The size of room made it possible for Eisenstadt to get his candid shots from 40 feet.



Pondering taxpayer (right) and patient expert work over Form 1040. This center has 250 experts. They allow each taxpayer an interview of not more than 20 minutes.



"MORE OIL...MORE OIL!"

Texaco engineers reach down into Davy Jones' locker for new supplies of oil.

DOWN into the oil-bearing formations beneath the coastal waters, sinks the drill pipe . . . on its way to find oil.

It got there with the help of a strange kind of barge . . . a barge that is sunk to rest on the bottom of swamps or lakes. It is called a *submersible drilling barge* . . . and was developed by Texaco engineers to drill for oil under water.

Resting on the bottom, the submersible barge forms a firm foundation for drilling machinery. After the well has been drilled, the barge is refloated and moved away to another location—leaving the pipe in position, to bring up new supplies of precious oil.

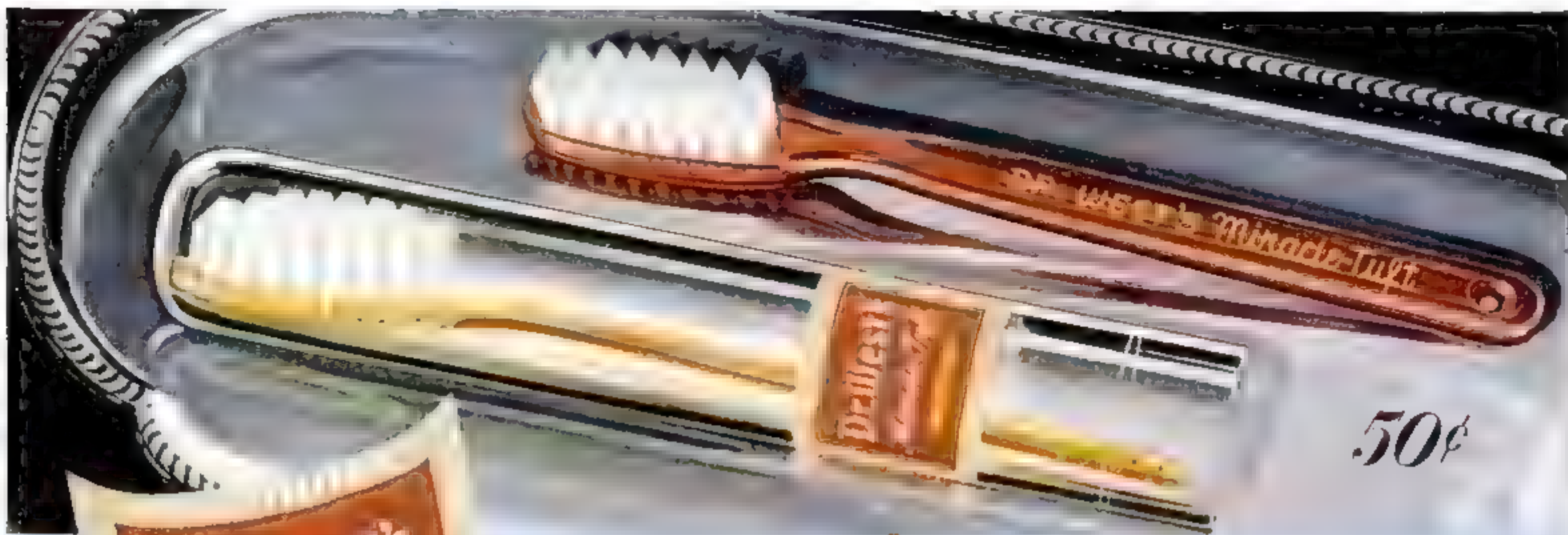
This is one of numerous ingenious devices developed by Texaco to speed up production of oil, now so urgently needed by the fighting forces of Democracy. At Texaco refineries, this all-vital oil is converted into 100-octane aviation gasoline . . . into quality fuels and lubricants for all kinds of vehicles . . . into *Toluene* for high explosives and *Butadiene* for synthetic rubber.

When peace comes, the lessons learned in Texaco's great war job will be applied to making finer fuels and lubricants for your car.

THE TEXAS COMPANY



Coming . . . a finer  **FIRE-CHIEF** gasoline and a finer  **Sky Chief** gasoline because of Texaco's work in this war



SEALED IN GLASS FOR EXTRA PROTECTION—This famous toothbrush, the quality leader of the world at 50c, also comes in the 2-Row "Professional" shape as well as the 2-Row "Oro" design, a shape many dentists recommend.

Dr. West's
Miracle-Tuft

Families who look ahead... *use the finest toothbrush money can buy!*

Clean, sparkling teeth... a winning smile that radiates good health... how vital to the beauty, the personality, the good health of your whole family!

Nothing but the most positive protection is adequate for this important duty—now and through the years. Nothing

but Dr. West's Miracle-Tuft... the finest toothbrush money can buy. For only this supreme quality brush can offer you...

EXTRA PROTECTION—for longer life, more efficient tooth cleansing

PROTECTIVE DESIGN—for added protection against the dangers of *saggy* toothbrush.

EXTRA CLEANING—the original Dr. West's design. A distinct advantage in cleansing inside, outside and in between the teeth.

Copyright 1937 by West's Toothbrush Co.



LIFE'S REPORTS

NIGHTMARE JOURNEY

by SALVADOR DALI

Translated from the French by Haakon M. Chevalier



Salvador Dali is a 39-year-old Spanish surrealist painter who has been living in the U. S. since 1940. Dali has attracted attention not only by painting but also by lecturing, by decorating and smashing shop windows and by his eccentric autobiography *The Secret Life of Salvador Dali* (Dial Press, \$7.50). Herewith, in prose and picture, he gives a surrealist account of a recent transcontinental train journey.

I had been called to Hollywood by a well-known motion-picture firm as a "specialist in night-mares"—which is rather curious, for I have never in my life had a nightmare! On the contrary, at night I always dream of extremely agreeable things, and it is precisely when I am perfectly wide-awake, in broad daylight and in contact with practical life, that my most hallucinatory nightmares have always occurred. While the substance of the real nightmares of other people is purely imaginary, I may say that the substance of my imaginary nightmares is utterly real.

That is why I make a conscientious effort to limit my relations with real, practical life, so hostile to my spirit and to my person, to a mere bowing acquaintanceship.

Nevertheless circumstances arising out of the difficulties of travel in wartime recently obliged me to make my first "solo" train trip from New York to San Francisco—and I accomplished this without uttering three consecutive, comprehensible words in English.

I have traveled all over the United States and have made several trips to California, but always either with the "anesthetic of time" of the Stratoliner (TWA) or else ensconced in my car, holding my wife's hand, plunged in interminable meditations, with a chauffeur who would ceremoniously cover my knees with a fur blanket or hold my arm and help me across the street to prevent my being run over, as though I were a paralytic old man. This time I was fully aware that if I wanted to survive the almost insurmountable practical difficulties I would have to face during the three days and four nights of my trip, I would for once have to put aside my imagination. Would this be possible?

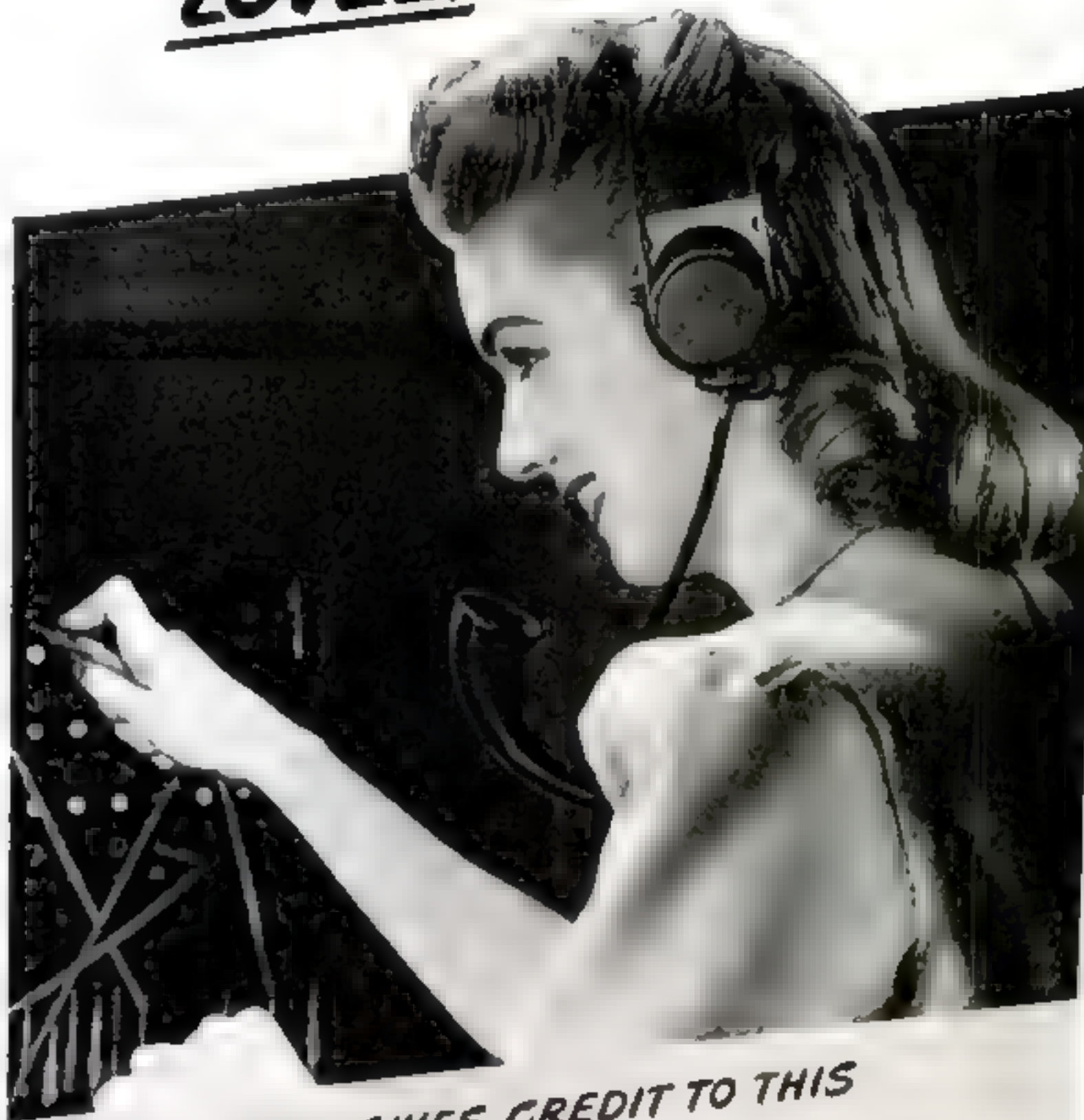
The night before I am to leave I take a nembutal pill to calm myself and get a good night's sleep, but in spite of this the anguish I feel at the prospect of my trip keeps me awake all night. At last the fatal moment of departure arrives. Haakon Chevalier, the faithful translator of my literary works, will come and fetch me, take me to the station and put me on my train with my five pieces of baggage. He telephones to a girl friend of his in Chicago, a young student of architecture, to arrange for her to meet me and help me change trains—she will recognize me by my mustache and my cane, and besides she knows me from my photographs. My friend Arthur Lopez, a South American collector of rare objects, appears in my room bringing me a blue package containing something to alleviate the difficulties which it seems I will encounter in getting food on the train. The blue package reassures me, as well as the thought of meeting my wife again and of eating crayfish in San Francisco.

When we reach my compartment my five pieces of baggage are already in place. I know that this is merely a momentary effect of Chevalier's magic, and I am sure that as soon as I am alone my waking nightmare will begin.

It is in fact beginning, since the train has just got into motion!

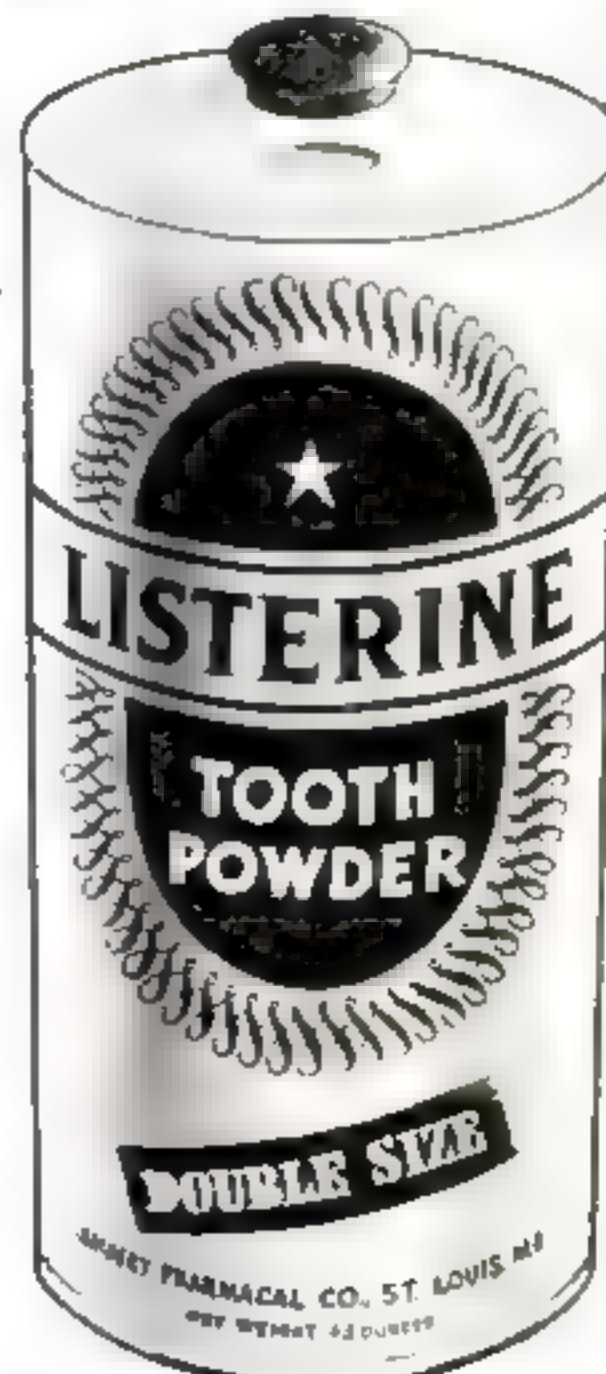
I am astonished at the stoicism with which the rest of the passengers resist that horrible grinding sensation of the departure, as though it were the most natural thing in the world. Standing up, I brace myself dramatically on my cane and my first impression is that my hand sticks to it. I say to myself that it is the cold sweat induced

BUSIER THAN EVER
but she's still the voice with a
LOVELY SMILE!



SHE GIVES CREDIT TO THIS
**New Quick-Action
Dentifrice**

FOR BUSY PEOPLE! Listerine
Tooth Powder Contains Special High-
Speed Activating Ingredients!



YOU DON'T HAVE TO be a telephone girl to know what it is to be busy these days. Office workers, war workers, housewives . . . everybody's living at a faster pace. No wonder there is less time for details . . . even such an important little detail as brushing your teeth.

Be honest! Don't you ever catch yourself skumping on that morning brushing . . . sometimes even skipping it entirely? If you do . . . and you know, yourself, you shouldn't . . . at least make sure to use a dentifrice that does a real job every precious second you are brushing.

Listerine Tooth Powder contains special high-speed energizing ingredients. Instantly surges into "whirlpool" cleansing action . . . makes every second count. Sluces away loose surface debris . . . gently polishes until enamel is really clean. So thorough! . . . so refreshing! Get a can and feel the difference!

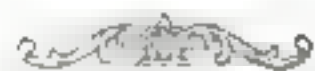
Lambert Pharmacal Co., St. Louis, Mo.

**LISTERINE
Tooth Powder**

CONTINUED ON NEXT PAGE



Whenever you buy Beech-Nut Gum you can be sure it has the same quality and fine long-lasting flavor for which Beech-Nut has always been famous.



Also BEECH-NUT SPEARMINT GUM in sticks and BEECHIES... delicious candy coated gum—Peppermint, Spearmint, Pepsin.



LIFE'S REPORTS (continued)

by my state of excitement. But no, I am not suffering from a delusion. My hand is really stuck, and I suddenly gather that what is making it stick is real glue. This is what has happened: the cane in question, made of ebony with a crystal handle wrought by Fabergé, was a Christmas present from my wife. On my first walk the handle had come loose and the service boy at the St. Regis Hotel, claiming that he could fix it, used some kind of glue which the heat of my hand is now causing to melt and stick to my fingers. The worst of it is that it not only gets all over my hand but also smears my overcoat. Immediately, I don't quite know how, I feel the glue's contamination on my other hand, with which I clutch my tickets and several telegrams which I intended to send from the train.

For the moment I feel myself turning into a kind of ignominious flypaper.

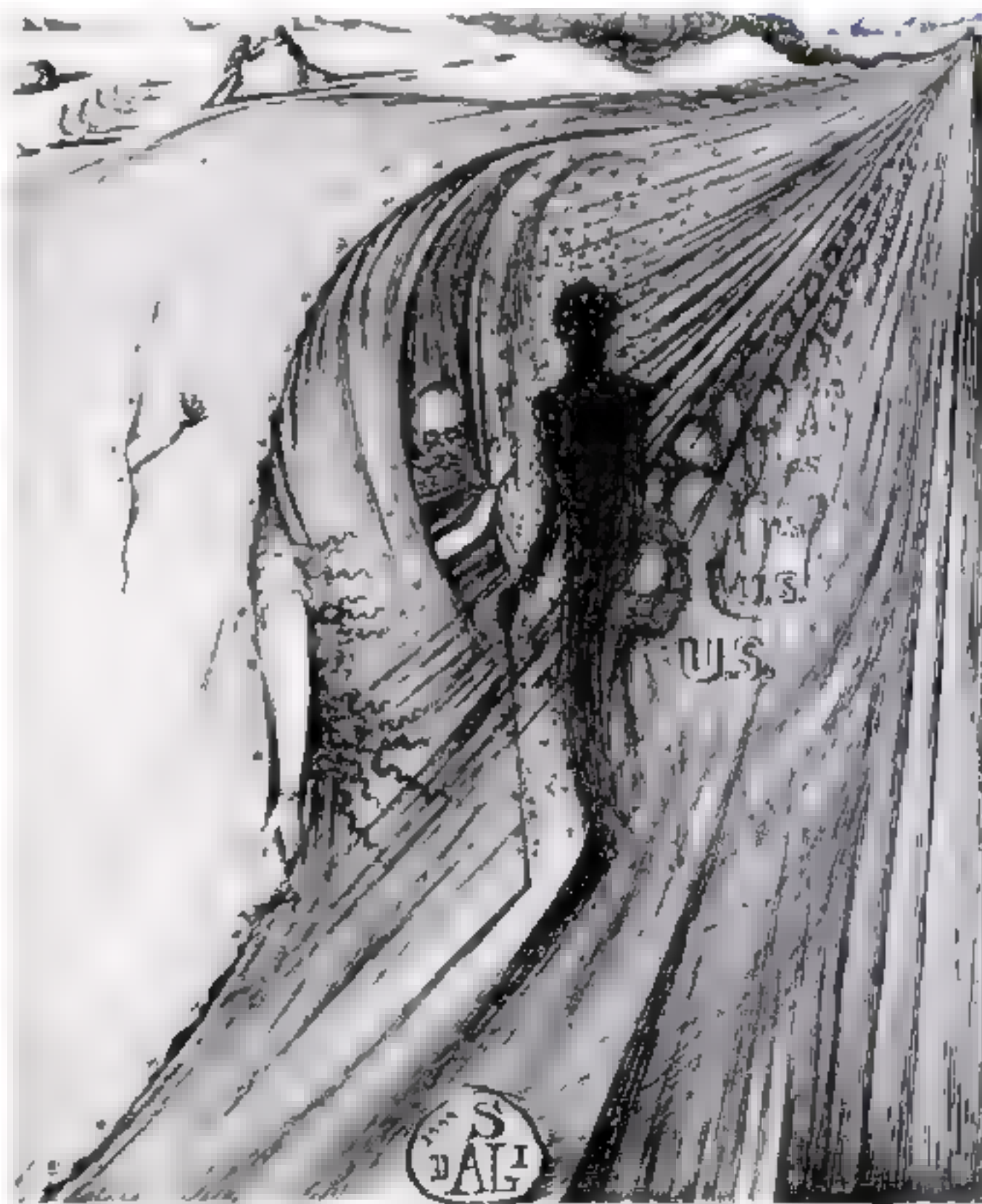
How shall I explain to the colored porter who observes my struggles with stupefaction that my cane has turned into a fountain pen that exudes glue instead of ink? But he has immediately taken in the whole situation: he is one of those creatures whose dark shell harbors a bright inner light. Already he is on his knees busily cleaning my coat with a towel soaked in hot water, and next he takes possession of my cane and begins to wash it while humming a melancholy air that would bring tears to a stone.

I remove my overcoat and leave it, as well as the cane and the sticky telegrams, to his care and start out in search of the dining car—not, of course, forgetting my blue package which is also slightly sticky.

To reach it I have to reel and stumble my way the whole length of the train. I pass through infinite corridors with compartments screened off by rough-textured curtains which I had only seen in comic films—those long passageways with mysterious berths from which emerge women's bare arms, the hands of small children, the shoes of giants . . . all of which is as lugubrious as catacombs, and it occurs to me that the early Christians would have adored travels like this. Finally, as I approach the dining car, I run into a compact crowd standing in line in front of it. I have a holy horror of wasting in this way and I prefer not to eat. The idea of going and having a Martini in the lounge car meanwhile passes through my head. Since everyone is here there will be no one there. Once more I go through the catacombs with my blue package under my arm. On the way I pass in front of my compartment, where I notice the porter still busily polishing my cane, but I find the entrance to the lounge intercepted by another milling throng, composed almost exclusively of soldiers.

This line is as seductive to me as a serpent, for at its tail is a young woman in uniform with sky blue eyes in whose depths a few gold flakes gleam.

CONTINUED ON PAGE 21



DALÍ DRAWING SHOWS PULLMAN CURTAINS, STICKY CANE, MRS. DALÍ, THE U.S.



DAVID M. MARCIL, of the Sonotone office in New York City, is one of the growing army of hundreds of sincere, sympathetic men and women who devote their lives to helping other men and women regain their hearing and live a richer, happier life. It is a challenging job that these Consultants have, and not an easy one, but they call it the happiest job in America.

THE MAN WHO NEVER SAYS "GOOD-BYE"

More than half of the hearing aids in use in America today are Sonotones. And one of the biggest reasons for that overwhelming choice is a man who never says "good-bye". Long years ago the men at the head of the Sonotone organization realized that what a hard of hearing man wants is not a hearing aid but *hearing*! And that conviction has moulded Sonotone's policies ever since.

You can't pick up a Sonotone, take it home, start using it and hear. Neither can you take somebody else's Sonotone and hear any more than you can read with somebody else's glasses. Your hearing loss differs from everybody else's and *your* hearing aid has to be fitted to *your* needs.

And so a new figure has developed in the past ten years, the Sonotone Consultant, a man who is not a salesman, but a technical specialist, trained, schooled, equipped, supervised with the one ideal of seeing that you get the best hearing present-day science can give you . . . and get it for the rest of your life!



For example, when Consultant March sits Mr. M. C. Cohen down at his Audiometer, in 20 minutes he can show Mr. Cohen a scientific "picture" of his hearing loss. This audiogram shows the Consultant the problem he has to solve.



Mr. Cohen doesn't just want to hear . . . he wants to UNDERSTAND what he hears. So the Consultant must adjust a Sonotone to give proper amplification in the frequency ranges he needs. There are 640 such adjustments possible.



But that's only part of the fitting. Mr. Cohen next gets a series of articulation and intelligibility tests to make sure he UNDERSTANDS what he hears. There may have to be a change in the tone control or another receiver of a higher pitch, etc.



At intervals for the next three months, Consultant March will see Mr. Cohen, at Sonotone's office or his own office or home, to make sure that he is getting the most help from Sonotone. You have to learn to use any delicate instrument



Every six months Consultant March will make a new audiogram of Mr. Cohen's hearing loss, to see if there has been any change that calls for a new adjustment. There is, of course, no charge for this . . . just another step in service.



And from then on, day or night, the Consultant is at Mr. Cohen's service. He never says "good-bye". For not just the sale of a hearing aid but *uninterrupted hearing* is the ideal of the entire Sonotone organization.

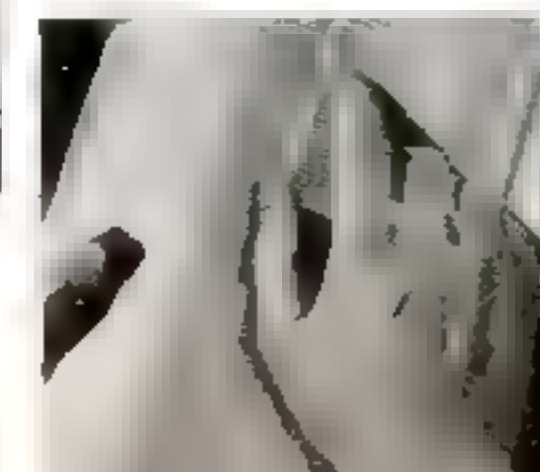


And remember . . . it is UNINTERRUPTED HEARING FOR THE REST OF YOUR LIFE! Sonotone offers a unique guarantee, honored in its more than 150 offices, which by its unusual replacement policy, assures you of continuing hearing at the lowest long-range cost. Write for explanatory booklet.

SONOTONE

A personal service that seeks to give you **BETTER HEARING** *FOR THE REST OF YOUR LIFE*

Accepted by the Council of Physical Therapy of the American Medical Association



There are over 150 Sonotone offices. The office nearest you is listed in your local telephone directory. Phone for information or write SONOTONE ELMSFORD, N. Y. In Canada write 220 Yonge St., Toronto. In England, 114 Wimpole St., London W.1. Also available in the world's principal countries.

© 1944, Sonotone Corp



Have YOU discovered this amazing new kind of blanket?

This warmer blanket—which is also lighter—is in every good store right now. Science contributes to your sleeping comfort through Purrey—a new, functionally designed blanket made in a patented construction of 88% Purrey Rayon—only 12% wool. Buy your blankets the modern way . . . on the basis of how well they'll keep you warm. Better still *Buy War Bonds now* and Purrey later.

Compare PURREY BLANKETS with any other fine blankets for



WARMTH

Constant testing proves Purrey is warmer than many blankets costing up to twice its price.



LIGHTNESS

Though warmer, Purrey is lighter. This freedom from oppressive weight invites sounder, more refreshing sleep.



COLOR

Purrey's soft lustrous Rayon nap takes radiant pastel colors usually found only in higher priced blankets.



NO WORRY

Purreys are guaranteed against moth damage for five years. Purreys wash or dry clean beautifully.



BETTER SLEEP

You spend one-third of your life in bed. By keeping you warm, free from any feeling of weight, Purrey invites you to relax and restore your energy through sounder sleep.

PURREY
by Nashua

\$6.45 SIZE 6x7½ FT.

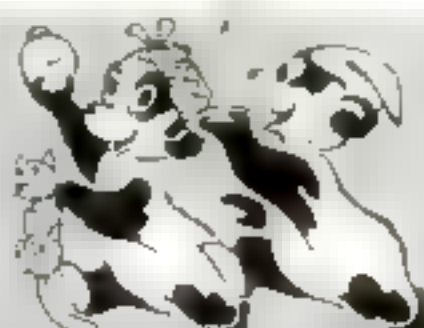
Regular 72"x84" size \$5.95
80"x90" double bed oversize \$7.45.
All prices slightly higher in West.

Send for Free booklet telling how more and better nap traps make Purrey warmer.

Nashua Mfg. Co., 40 Worth Street, New York 13, N. Y.

Nashua

INDIAN MAIDEN SHEETS
INDIAN HEAD CLOTH • VIRGIN WOOL BLANKETS • DWIGHT ANCHOR SHEETS



Purrey Blankets, invented at the Nashua Mfg. Co., Nashua, N. H., are protected by U. S. Pat. No. 2,208,533

"Are you Salvador Dali?" she immediately asks, to which I answer "Yes," whereupon she insists on my sharing her bottle of Blue Ribbon. Someone comes out of the lounge and those ahead of me try to persuade me to go in first and sit down. I express my thanks and naturally refuse. But I am dazed by the cordiality I am shown, and I mentally compare the kindness of this people, their almost childish generosity (which I have never found in any other country than America and which is one of the elements of its untried strength) to the bad humor, verging on hostility, which I had come up against in France in the early days of the war on an equally crowded train from Paris to Bordeaux. In their angry subconscious I already sensed the country's impending plight, whereas the contact with this packed crowd, totally oblivious of their provisional discomfort, gives me the feeling of a country that is sure of its victory and that cannot lose. The beer stimulates my hunger and again I go through the catacombs of the train and this time I decide to stand in line as long as may be necessary, provided I eventually get a seat at a table. I yield my place several times to ladies or soldiers, and at last I sit down at a table in the company of three civilians. I cannot resist the temptation to open my blue package: it contains a bottle of vodka and a large pot of fresh caviar. I immediately invite my three table companions to share these with me and thus become their host. The man beside me is the only one who has ever drunk vodka before. He has white hair, he was in France during the last war, and his three sons are on the fighting front. He asks me if I like America.

The other two, who are much younger, look like brothers, and both in turn look like Bob Hope. They try the vodka, click their tongues in unison, look thoughtful for a moment, then raise one hand to the level of their eye, forming an expressive circle of approbation with their thumb and forefinger: Okay! The white-haired gentleman persistently offers me a cigar. But I have never smoked in my life, which I try to explain to him, but he thinks I merely don't like the brand of his cigar and has some others brought for me to choose from. Suddenly I discover the word "Never," which saves me. One of the two who look like Bob Hope, wearing a loud necktie that is as violent as murder at noon, invites two sailors at an adjoining table to have a drink of vodka, and the contents of the bottle vanish before I have had time to taste any of it. His presumed brother butters his pork chop with caviar, they speak of Stalin—probably by an association of ideas with the vodka and also because they have found out that my wife is Russian. I cannot follow the drift of the conversation, but I gather that it expresses admiration generously tinctured with irony.

I go back to my compartment where the colored man asks my permission to keep my cane—which has "healed"—a little longer: I believe he adores it. I fall asleep and am wafted away on a Technicolor dream of purple crayfish—no doubt the combined colors of my blue package and the orange of the crayfish I expect to eat in San Francisco.

The following morning at breakfast an officer with his wife in tow asks me, "Are you the Frenchman of the vodka?" The story has apparently circulated. Rather fearing his disapproval I timidly answer, "Yes," but to my surprise he exclaims, "Beautiful!" He recognizes me and asks me why I don't do posters for the Army. I tell him I have just finished one to order. "On what subject?" "Syphilis!" He laughs, believing this to be merely a Dalinian fabrication, yet it is the honest truth.

And now I arrive in Chicago. My adventures and my terrors become indescribable. It would take a volume of Proust to analyze them, for the changing of trains is the most terrifying part of my trip. However, my American guardian angel, the attractive young architecture student (who speaks French), is there with her brother and his fiancée, and we have lunch in the "Rumple Room" of the Ambassador Hotel.

It is proposed that we visit a Picasso exhibit or go to the Art Institute. But I choose instead to perform the ritual of waiting before the unplaceable monster of my imminent departure. The latter is accomplished without incident and I find myself once more in the train with all my baggage.

In the evening a little blonde-haired girl comes and asks me for three autographs. And the morning before my arrival an editor of LIFE magazine who is traveling on the same train asks me to write the present lines on my trip. What a superlatively biological country America is, how contagiously alive!

At last at the Oakland mole terminal I find Gala, my wife: the meeting of Tristan and Isolde. She informs me that she has ordered two dozen crayfish *au court-bouillon* at Jack's Restaurant on Sacramento Street, and a dry hock wine chilled to the bone. The night mare is over!

• THE GIRL WHO SHATTERED THE DREAM OF CORPORAL CLARK



HE WROTE :

"... and I keep dreaming about that home we're going to have when this shindig is over.

"I can just see you in the kitchen, after dinner. You're wearing some kind of frilly apron and you're up to your elbows in dishwater and maybe there's a smudge on your pretty cheek that you got from cleaning up the stove. I'm drying the dishes, of course, and probably I break one or two but I give you a kiss for each one and we laugh it off all right.

"Gosh, honey, it is going to be great . . ."



SHE REPLIED :

"... got a great kick out of your picture of us in the kitchen, and I love you for it.

"But, darling, do you mind if I shatter your dream—in a nice way? Our house—yours and mine—isn't going to be built like that, especially the kitchen! We're going to have a home that's built for comfortable, convenient living for a long, long time!

"It's going to be built with all the things in it that I've read about. Like the General Electric dishwasher that does the dishes without my getting a drop of water on my hands or you touching a dish towel. Imagine! And that's just a sample of what we can have, even if we aren't a bit rich!

"Oh, darling, after what you're going through you rate a wonderful life, and I've started planning already . . ."



"AND THESE ARE GOING TO HELP PAY FOR IT!"

THE WAR BONDS you're buying today—to help shorten the war—will also help pay for the miraculous electrical conveniences G. E. will make for your After-Victory home. Bonds build purchasing power and at the same time will help create jobs after the war. Keep on buying bonds and stamps . . . regularly.

HEAR the General Electric programs: "The G-E All-Girl Orchestra" Sunday 10 P. M.—E. W. T. NBC . . . "The World Today" news every weekday 6.45 P. M.—E. W. T. CBS.



Everything Electrical for After-Victory Homes

GENERAL  ELECTRIC



Armour ideas make the most
of meat



Play Fair with Your Food Share

Use all the food you buy

Don't let leftovers spoil in your refrigerator or on your pantry shelf. You can turn leftover foods into attractive, nourishing dishes. Here is a good example, from the Armour kitchens.

Chop Suey

3 tbsps. fat or margarine	2 tps. Vitalox
12 oz. diced leftover pork (2 cups)	2 tps. soy sauce
1 cup sliced onion	1½ cups finely
1¼ cups sliced celery	shredded cabbage
2 tps. salt	1 tsp. cornstarch

Brown meat and onion in fat. Add celery, salt, Vitalox and 2 cups of water. Simmer for 25 minutes. Add cabbage and soy sauce and cook for about 4 minutes or until cabbage is almost tender. Moisten cornstarch with water. Add to chop suey mixture and cook until clear. Serve over Chinese noodles or shredded crisp wheat biscuit. 5-6 servings.



Armour gives you these suggestions to share precious food and conserve the vital food supply

Today, food is one of America's most important weapons. It's the fuel of our fighting men and our fighting allies. It helps keep our home front healthy and strong.

So all of us must do all we can to protect the food supply.

Armour and Company is supplying its share of the meat our armed forces need . . . and, by efficient processing and distribution, doing everything possible to provide enough meat for the home front.

This is our responsibility to you.

You have an equal responsibility in your own home. By careful buying, by efficient, thrifty use of your ration points, you can help make sure there will be enough meat and other necessary foods for everyone.

On this page, Armour shows you several basic ways to share and play fair with food. Follow these suggestions . . . and you will help contribute to an earlier victory.



Buy only what you need

Shop wisely. Get the most food value from every ration point. Follow these meat buying rules developed by our food economists:

For chops, steak or ground meats, buy just enough for your family. Allow ¼ lb. fresh or dry sausage for each serving, ¼ lb. boneless and ground meats, ½ to ¾ lb. for meats with some bone, ¾ to 1 lb. for meats with lots of bone.



Avoid black markets

They aren't fair to your dealer or to you. Black markets deprive your dealer of part of his share of good, wholesome meat . . . and thus reduce the amount of meat available for your family. Help stamp out black markets by accepting your fair share of meat . . . by using plentiful, low-point cuts . . . by giving ration stamps for every rationed food you buy.



Don't pay more than ceiling prices

for any food. These prices are posted in your dealer's store. Look for them whenever and wherever you shop. If you want to help avoid inflation, if you want to make sure there'll be enough food to go around, follow these posted prices on every food item you buy . . . and don't pay more for any food. That way, you'll play fair with America's food supply.



Discover the plentiful foods

There are many types and cuts of readily available meat at your dealer's now. They're low in points, but high in nutrition, and appetizing goodness. Ask your dealer about them. And use this list prepared in the Armour kitchens as a guide: Pork or beef hearts . . . kidneys . . . lamb or veal breast . . . beef short ribs . . . beef plate . . . pork liver.

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LIFE'S PICTURES

By the time Fritz Goro got through taking pictures for this week's essay on twins (pp. 91-99) he knew almost as much about them as a trained biologist. It is this penchant for making a close study of what he is photographing that has given Goro premier standing in this country as a journalistic science photographer. Also in this issue is Goro's detailed close-up picture story on household pests (pp. 67-74).

The following list, page by page, shows the source from which each picture in this issue was gathered. Where a single page is indebted to several sources, cited is recorded picture by picture (left to right, top to bottom) and line by line (lines separated by dashes) unless otherwise specified.

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ABBREVIATIONS: BOT, BOTTOM; CEN, CENTER; COL, COLUMN; EXC, EXCEPT; LT, LEFT; RT, RIGHT; T, TOP; A. P., ASSOCIATED PRESS; H & E, HARRIS & EWING; INT, INTERNATIONAL; W. W., WIDE WORLD

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Add hot water it's ready



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It's a rare occasion when you catch the Gilliland family relaxing in the living room of their farmhouse near Fremont, Ohio. Mr. Gilliland—a dock foreman at the Heinz plant, where son Russell is working while awaiting Army orders—raised hay, oats, corn, and had 200

chickens, 11 cows, 35 sheep and 8 pigs last year. Mrs. Gilliland runs the house competently and has a packing job at the Christy Blade Company, while all three of the daughters are employed at the Erie Proving Ground. At present only one of the girls is living at home.



Mrs. Florence Patterson, second oldest daughter, lives up to the Gilliland tradition of hard work. In addition to maintaining her home efficiently and doing office work at the Erie Proving Ground, she also finds time to do a great deal of her own dressmaking.



Even during the height of the busiest season at the Heinz plant, Mr. Gilliland takes care of his stock himself before and after work—milks five cows every night and morning. He makes his sixty-three acre farm pay by producing almost all of his own feed.

You Don't Know The Meaning Of Work Till You've Met This Fremont Family!

D. V. Gilliland and son work for Heinz Fremont plant—his wife and daughters are employed in defense factories; and in their spare time this energetic couple runs a 63-acre farm!



For her lunch Mrs. Gilliland packs sandwiches spread with Heinz Prepared Mustard or Tomato Ketchup. Daughter Bernice usually includes a vacuum bottle of Heinz Condensed Cream of Tomato Soup in her noonday meal.

Since the opening of the Fremont Heinz plant seven years ago, Mr. Gilliland has been foreman of the platform where vegetables such as the choice "aristocrat" tomatoes are received. Raised on nearby farms, from pedigreed seedlings furnished the farmers, these are the luscious vine-ripened beauties which have made Heinz Tomato Ketchup, Chili Sauce, Condensed Cream of Tomato Soup and other products famous for their true tomato flavor! Heinz Condensed Cream of Tomato Soup is one of the tomato products that's a special favorite of the Gillilands. And like so many wartime households, they count on Heinz 57 Sauce, Worcestershire Sauce, Pepper Sauce and other Condiments and Relishes for the extraordinary zest that makes a meal something to remember.

57





ENGLISH TREES SPREAD THEIR JANUARY BRANCHES OVER A HUGE AMERICAN TRUCK PARK STRETCHING INTO THE FAR DISTANCE, AWAITING THE DAY OF THE GREAT INVASION

PRE-INVASION U.S. ARMY PILES GIGANTIC WAR STORES IN BRITAIN FOR USE AGAINST GERMANS

In terms of this war, U. S. ground forces have not yet really begun to fight. The British have so far borne the brunt of heavy fighting in North Africa and Italy, the Australians in New Guinea. Even the Solomons and Aleutians were not exclusively American arenas, though there the Americans carried the biggest load in these small-scale battles. In a matter of weeks or months history's greatest overseas invasion will throw as many as 1,000,000 Americans into bloody combat. That will mean the engagement of most of the divisions we plan to activate. By a considerable margin, they will be the best-equipped, toughest and most thoroughly trained soldiers the U. S. has

ever sent into grand-scale battle. They will represent the first real cast of the dice by the U. S. Army for the prize of victory. A hundred million hearts will go with them.

The U. S. likes to win wars, not by cleverness or the extravagant expenditure of lives, but by sheer crushing weight of power. Already the U. S. Navy has been expanded to record-breaking size and the U. S. Air Forces already dwarf all others. The visible weight of the armaments that America has made and transported to England for the invasion is revealed on the following pages. "The island is slowly sinking under its weight," cabled one correspondent. A

gigantic executive job of production and transportation has been done by the U. S. Army. But the final worth of all the guns and tanks and landing barges and gliders and road rollers and bulldozers and cranes will not be known until they go to work to destroy a skilled enemy on his home ground.

For this great and terrible hour in American history, past mistakes and omissions have been ironed out, inferior weapons and officers replaced, training carried to the last notch. Under Lieut. General Omar Nelson Bradley, the American ground troops will meet the German Wehrmacht for what is generally regarded as the final decision of the war in Europe.



ON THE MARK FOR INVASION STANDS GREATEST CONCENTRATION OF WAR VEHICLES IN ANY ALLIED NATION EXCEPT POSSIBLY RUSSIA. THEY WILL SOON BE DISPERSED TO UNITS.

U. S. tank cars, paired five by five, are partially assembled in Great Britain. They await their cue to play their part in the invasion. They don't satisfy the vast gasoline thirst of mod-

ern armies, now also being done by rapidly laid pipe lines to refineries and tank depots on the Continent. U. S. has also supplied own locomotives. British will provide an balance trains.

More Shermans and personnel being processed in England in American camps. There are now enough tanks in Great Britain to develop the kind of power drive which the Continent





AT THE LEFT ARE SOME OF THE FAMOUS SHERMAN TANKS. MOST OF THE REST OF THE PLAIN IS COVERED WITH THE U. S. HALF-TRACK PRIME MOVER, CARRYING MEN OR GUNS

and Russians invented and developed but which we have not yet used in North Africa or Italy. It such a drive masses of infantry, engineers, guns and tanks great forward together

Half-tracks, showing camouflage dirt on the recognition stars, extrus and water containers on running boards, blackout lights and the useful winch which can pull the vehicle out of

any mud, are massed in the open. These carry troops, light anti-aircraft reconnaissance, transport or tow guns at good speed. They are very useful for all purposes and we have a lot of them.





Pontoons to bridge the fairly placid rivers of continental Europe are stacked in an engineering depot in England. The U.S. Engineers have already proved that they are one of the most

magnificent branches of the service in this war. In Italy, they have had to contend with the implacable mountains that swept away their pontoon bridges overnight. The engineers did a

few tricks of the Germans and Russians, however, that we can proudly pick up, such as sinking underwater bridge ferries by night and using bridge divers to set up so-called water



You have either reached a page that is unavailable for viewing or reached your viewing limit for this book.



Ammunition, millions of tons of it, weighs down the little island of Britain. Here, under the good cover of a tree-rimmed English lane, the steel boxes run in neat rows into the distance—32 tons of shells, one by one. Old it looks against the stark, quiet charm of the English countryside.

are the massed weapons of war. Artillery is another branch of the service that has wound up singularly well in this war. U.S. armor doctrine, employing guns and armor in close, continuous columns of guns, has been proved in North Africa and Italy, as well as in the Southwest Pacific.



A huge depot has been dispersed by now to smaller depots. Most of it is material for prefabricated barracks. Notice Nissen hut sections in foreground and the barbed wire at right. The scrap wood from crates fills a 10-acre field and is requisitioned by other depots to build mess halls, hospitals, furniture—and for fuel.



Gliders for airborne troops pass here through an assembly depot. They are promptly passed on to airborne units. U.S. claims to have developed a glider service far further than any other army, may well have a case so. Weaknesses of coordination



Threescore howitzers, 105 mm., are surrounded by anti-aircraft guns, perforated bases folded up. The howitzer has established itself as the characteristic field weapon of this war, just as the French 75 was of the last war. This is good artillery, though it could undoubtedly be

lighter, faster-firing, longer-ranged, more mobile. The Germans have a half-ton rocket weapon with the same firepower as 42 tons of howitzers. In an invasion, weight relationship and firepower is a crucial factor. The U. S., which likes things good and solid, is learning to handle less solidly.



and recognition brought out in Sicily are said to have been eliminated. Delivered inside German lines by the Ninth Air Force's C-47's and C-53's, these men, 15 to 20 glider and one to 10 parachute, must guess up the first German counterattacks.



Camouflage, enough to blend the entire invasion into the surrounding landscape, is stacked in these open-weather bins. It was all made by British from British materials. No air superiority sort of the absolute can do away with the need for camouflage netting and for cover, which we have now learned the hard way.



Under a fine English oak rest 40-mm. Bofors guns, improved long ago by the Germans in Swedish factories, now refined beyond recognition by the U. S. In rear are 90-mm. anti-aircraft

rifles. On opposite page, after two nights in the open in bad weather, are some of the million American fighters that will man the invasion. Said Winston Churchill last week: "British

and American armies at the outset of the struggle will be approximately equal, but . . . the continuous inflow of Americans . . . will naturally give them the superiority in numbers."



THE AMERICAN FIGHTING MAN, QUIET AND READY,
SLOGS IN TRAINING OVER ENGLISH HILL AND DALE

LAST CALL FOR WAR AIMS

AMERICA NO LESS THAN BRITAIN AND RUSSIA HAS AN INTEREST IN EUROPE. IT IS PEACE

"Of course, we made some commitments," said President Roosevelt to Congress on his return from Teheran. "We most certainly committed ourselves to very large and very specific military plans." How large, how real were these commitments may be seen in the preceding nine pages.

Those pictures of U. S. military might, amassed in England for the invasion of Europe, are pictures of a commitment to shed American blood. Our generals, admirals and statesmen have authoritatively assured us that 1944 will be the bloodiest year of the war for America. We will be militarily prepared for it, as the preceding pictures show. Yet in another sense, we are not prepared at all.

What are we doing it for? Our invasion army is like a high diver ready for the plunge. The springboard has been tested, the pool and the grandstands are full, the hoop of fire will ignite, the crowds are desperate with impatience. "What are you waiting for?" they cry. But what are we doing it for?

The question is neither frivolous nor belated. It was asked again and again during the Great Debate of 1940-41. It was silenced, not answered, when we were attacked. The attack gave us a kind of war aim: we are invading Europe because we were attacked in the Pacific.

Most of the boys who will do the dying know no better war aim than that. Front line reporters know that not many U.S. soldiers are fighting to extirpate fascism, or to spread the Four Freedoms, or to win ribbons. The war aim of most U.S. soldiers is to finish the job and come home. Let's get it over with. Let's take the dive.

End of the Hollywood War

The French, flung into the Maginot tunnels in 1939, had a similar slogan: "*Il faut en finir.*" There are other superficial resemblances between the pre-Dunkirk "Sitzkrieg" and the kind of war America has fought to date. The 37,000 American dead, though very dead, have not made empty tables at Earl Carroll's or the Stork Club; they have not brought us "national unity" nor curtailed the highest standard of living in the world. But the coming leap into the blood bath will be the end of our Hollywood war. So now is a good time, and perhaps the last time, to ask ourselves the old war-aims question once more.

If we find no answer, it will not make the difference between victory and defeat. Nor will it affect our decision to invade. We have been standing on the springboard too long to do anything else; as every soldier knows, a commitment to die is a reason to die, for otherwise life would never be the same. We do not need war aims to beat Hitler. Our slogans, however unimaginative, are not sym-

ptoms of the French disease. Ours are the biggest battalions and God, some say, is always on their side.

Pretty soon the familiar names may be in the news again: Abbeville, Amiens, Liège, Lille, Namur; some of them for the third time in a generation. But it takes more than memories, more even than Polish or Yugoslav ancestry, to make the liberation of Europe seem a great American crusade. "Nobody can tell us this is a wonderful crusade," said a U. S. private in England last month. "We're gonna beat these Germans because it's gotta be done. But it's a bloody job . . . and it gripes us to hear it called any fancy names."

Belatedly, and in imitation of the British, the U. S. Army's Morale Services Division now attempts to instil in our troops a little more consciousness of the political issues. The Army wants the soldiers to know what the war is about. Unlike the British Army's program which is designed to stimulate discussion, the MSD program insists only on dissemination of complete and honest news. It aims to make the American not only the best-equipped and best-trained soldier but also the best-informed. But it refrains religiously from urging fundamental convictions on him. Our Army does not teach its soldiers to believe; it merely encourages them to think.

An Antipolitical Crusade?

If the Army has not made militant believers of the GIs, the political leaders of the war have failed even more signally to evoke any sense of common cause among the American people as a whole. Mr. Churchill, in his speech to Parliament last week, made a valiant effort to define the principles which are governing Allied political behavior in Europe. The chief principle is military expediency; "This is not a time for ideological preferences." Yet soon he was talking favorably about "the monarchical principle" too, and its "blessings." It seems obvious that Allied support of Victor Emmanuel and Badoglio is no longer paying off militarily. Does that mean that our soldiers are unwitting crusaders—crusaders for monarchy, or for the *status quo*, or for the principle of having no politics? They will be no more eager for such a queer crusade than for a good one.

It is no criticism of expediency, which is a military matter, to ask the leaders of the United Nations to define more clearly their political plans for Europe. The Moscow declarations nibbled at such plans; the Teheran Declaration suppressed them in a general statement of agreement. Events, not plans, have shaped Europe's emerging future since then. As Mr. Churchill said, "Things move so fast nowadays that these meetings now seem ancient history." Part of Poland has apparently been given to Russia, and part of Germany to Poland. The Atlantic Charter

no longer applies to either country. With regard to postwar Europe, both Russia and Britain have recently been speaking for themselves in what diplomats call "unilateral" declarations. But President Roosevelt has never ventured to express an American point of view about postwar Europe; or if he has, few Americans remember it.

Mr. Hull has frequently endorsed a postwar agreement among all the "peace-loving" nations to control future aggressors "by force." His moral globalisms, however, evade the specific problem at hand. The problem at hand is Europe, and Europe's future. Europe is a small, beautiful and chronically dangerous place where American troops will shortly die.

The American Interest

Has America, like Britain and Russia, a special interest in Europe? Never was it so important for this interest, if any, to be precisely defined.

The American interest in Europe is a durable European peace. That peace will not be durable without continued agreement among the Big Three. But America will probably not continue to agree very long if the Big Three plans agreed on do not seek peace for the good of Europe as a whole.

The peace and good of Europe require more than American military backing. They require an idea, more than a police force, whether the police force is the United Nations' or not. The good and peace of Europe require more than day-to-day diplomacy, however skilful. They require a proposal, an objective, at once daring, hopeful and specific. They require something on the scale of that age-old dream, the United States of Europe. They require a belief in the breasts of powerful statesmen that Europe, the home and source of Western civilization, has a future as well as a past.

That kind of peace is the American interest in Europe. That interest—certainly no other—will be asserted soon by the greatest expeditionary force in military history, by tens and hundreds of thousands of American lives. Though no crusaders, these Americans have been taught to think. All through Europe they will be surrounded by more and more of the political confusion and helplessness they see now in Italy, Greece and Yugoslavia—what Churchill called "the diseases of defeat." They should at least be inoculated, before crossing the dangerous water, with a knowledge of what our Europe is to be.


Our soldiers will want to know. Many of them want to know now. Not because they want to spread democracy but for reassurance in those moments by the moonless channel when they ask themselves the ultimate questions: We'll do it, of course; but will it be worth-while? Must it all happen again?

PICTURE OF THE WEEK

To pilots ferrying the South Atlantic, the Wide-awake birds (sooty terns) which rise over Ascension island are as happy an omen as an albatross

was to ancient mariners. A mid-ocean ferry-plane stop, 34-sq.-mi. Ascension is very easy to miss. Its birds are a reassuring greeting to anxious pilots.

But the birds like to roost on the runway, so the Army drives jeeps over the airfield at night to annoy the birds, make them lay their eggs elsewhere.

A black and white photograph showing a massive flock of birds, likely Sooty Terns, flying over a body of water. The birds are seen from above, creating a dense pattern of dark silhouettes against the lighter sky and water. In the upper right corner, a small portion of a ship's structure, possibly a mast or antenna, is visible. The overall scene conveys a sense of intense natural activity and a large gathering of wildlife.

The Wide-awake birds of Ascension island
flock up over the little island to greet
U. S. bomber ferrying from Brazil to Africa



ANGRY AND ALONE, MAJORITY LEADER BARKLEY STALKS FROM SENATE OFFICE BUILDING AFTER HIS DRAMATIC PROTEST ON TAX BILL VETO

SENATE BLOWOFF



ALBEN BARKLEY AT 1940 CONVENTION

ing while the Senate cheered, he dropped the flag. He resigned his leadership. He couldn't take it any more.

The specific issue was the new \$2,194,000,000 tax bill, which Congress had passed after more than six months' deliberation. The President, who had asked for a \$10,500,000,000 tax bill, returned it with a veto whose language the Senators found insulting. The veto called it "not a tax bill but a tax relief bill providing relief not for the needy but for the greedy." Senator Barkley, in an impassioned speech, reviewed the veto message item by item. When he came to that passage, he called it "a calculated and deliberate assault upon the legislative integrity of every Member of Congress."

When Barkley sat down, every senator present except three—Tunnell, Bilbo and Guffey—rose and applauded. Guffey is reported to have said, "There they are, congratulating him on wrecking the Democratic Party." But at the party caucus next day, even Guffey joined in the unanimous vote to re-elect Barkley to the leadership. The Senate is still "the world's most exclusive club," and they rallied 'round Barkley like fellow members of a secret society. Knowing that they would, and alarmed at the revolt, the President had meanwhile sent Barkley a love letter urging his re-election.

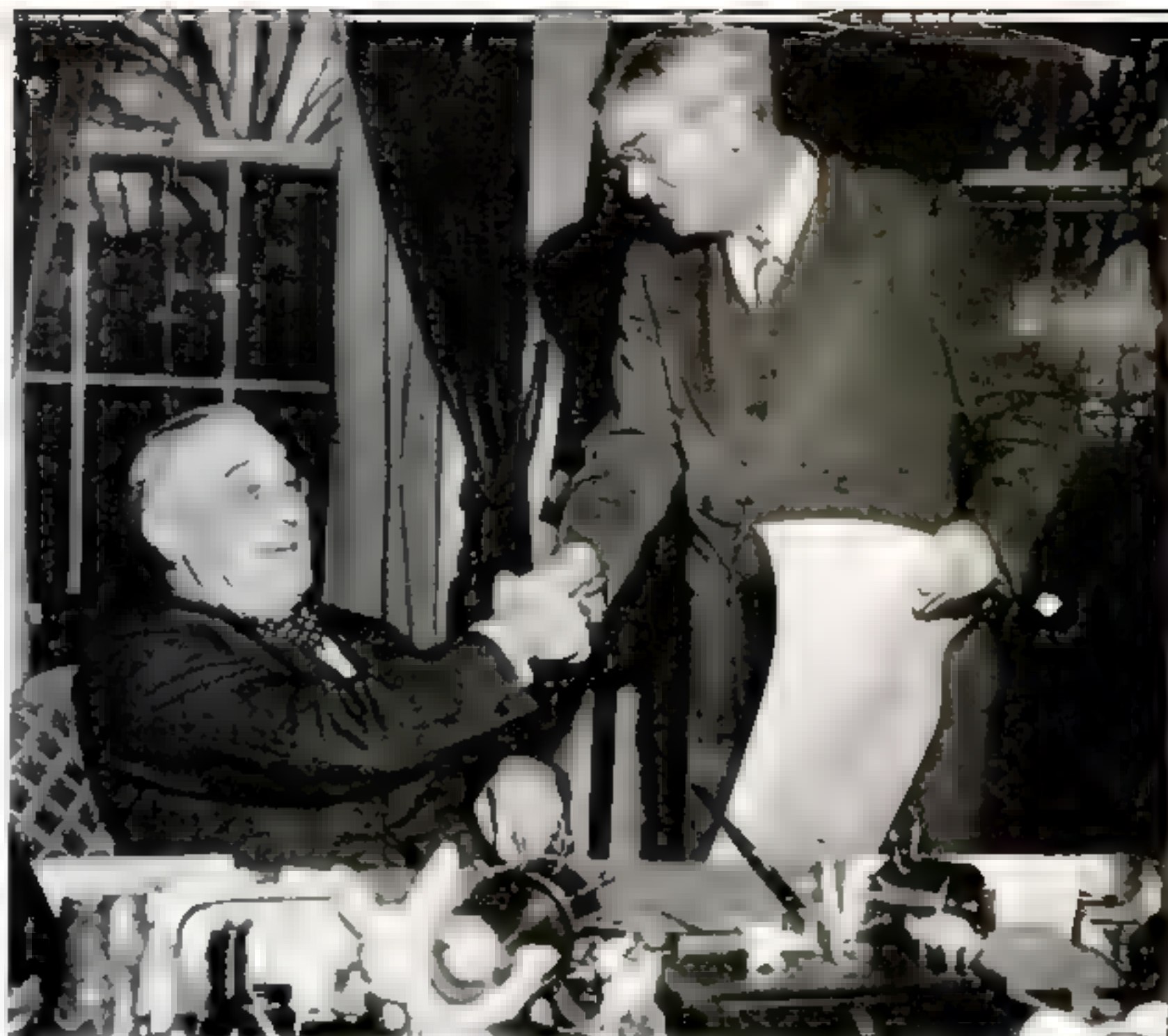
But it was not the tax issue that really made the President so snotty, or the Senate so sensitive. The President has been increasingly sharp and impatient with Congress since 18 months ago, when he sent up his message on control of farm prices and said "If you don't do it, I will." Recently he has vetoed two ant subsidy bills and called Congress' version of the soldier-vote bill a "fraud." But though the President sometimes has sense on his side, more and more Congressmen feel that he cares less about the legislation than he does about putting Congress in the wrong. They suspect they are being made the villains of his next campaign, to take the place of Wall Street. Said Senator Vandenberg, "The President is running for a Fourth Term on an anti-Congress platform."

The immediate political significance of Barkley's breakdown lay in the tensions it revealed—and relieved—within the Democratic Party. It was like a cloudburst on a hot day. Most Democrats know the President is their only possible candidate for a party victory in November and they want to support him for unity's sake. But they also know that the President is increasingly remote from the voters. His reputation as a master politician ("The Champ") is not what it used to be. It is no longer good political medicine to be known as a strong Roosevelt man. Barkley himself was facing defeat for re-election in Kentucky this November. His blowoff magically improved his chances, and even got him mentioned for the vice-presidential candidacy!

The Barkley episode had a larger political significance too. It was a reminder that the U. S. form of government, with its three equal and coordinated branches, has one basic theoretical flaw, which the British never tire of pointing out. Theoretically, Congress and the President could get so sore at each other that the government could not function at all. Our Constitution provides no recourse from such a crisis, like Britain's general elections; we have to depend on our own political good sense, and the party system, to prevent it.

In the last decade Congress' machinery and habits were such that if the President did not give it leadership, it went leaderless. Perhaps, though, this is a fateful opportunity for Congress to so reorganize itself as to provide leadership of its own. Last week some observers saw in Barkley's unanimous re-election the hope of such new leadership. He is now the Senate's majority leader, not just Roosevelt's. But the episode will probably not prove to be as significant as all that. At best the President's alarm seemed to indicate that from now on he might mind his manners with Congress more and pay some much needed attention to the people's representatives.

Senator Alben Barkley, Democratic wheel horse from Kentucky, was the hero last week of the most dramatic scene in the Senate since the New Deal began. Barkley has been Senate majority leader since 1937, when President Roosevelt got him the job. He was chairman of the Third Term convention in 1940 (see inset) and was a faithful apologist and round-up man for most presidential policies in the Senate, good and bad. In his own words, he has "carried the flag of this administration . . . over rougher territory than was ever traversed by any previous majority leader." Last week, weep-



President Roosevelt lost a measure and a man when Barkley resigned Senate leadership over tax veto and Congress repassed bill over his objections. In picture above, taken four days before blowoff, the President appoints Bill Hassett as his new secretary. Following crisis he held himself aloof from press.



Democratic caucus heard Barkley's speech of resignation on Feb. 24, in conference chamber of Senate Office Building. Here Barkley is getting ready to speak. After he emerged from conference chamber at end of his speech he was at once re-elected without a dissenting vote. He was then recalled to accept.



Talking to reporters outside his office in 15-minute interlude between his resignation and re-election as majority leader, Barkley declared: "I have the deepest personal affection and regard for the President. In most ways he is carrying on the work of President Wilson, who has been my idol as a statesman."



U.S. DESTROYS THE ABBEY OF MONTE CASSINO

The Abbey of Monte Cassino stands on a hill above the town. It is perhaps the most famous monastery in the world. It was founded by St. Benedict in 529 and there in 790 Paulus Diaconus wrote the history of the Lombards. There, too, in the 17th Century was built a beautiful baroque church with gold mosaics and frescoes, and a wonderful door of bronze.

At 9:30 a. m. the morning of Feb. 15 sudden bursts of orange rose from the monastery. Following them came eruptions of smoke and rocks. Overhead wheeled U. S. Flying Fortresses. From them came more bombs. The southern and western slopes near the summit flickered with flashes, then one cluster of bombs hit square-

ly on the central courtyard buildings. The large dome disappeared. The entire hilltop was swallowed up in black smoke swirling 1,500 feet high.

Thus the U. S. destroyed the monastery and solved the toughest ethical problem of the Italian campaign. During all the bloody weeks of the battle for Cassino the monastery had loomed austere and inviolate above the Liri Valley. The Allies were under orders not to harm it. The Germans, in turn, taking advantage of the situation, were using it as an observation post and emplacement for artillery. At last the patience of the Allies evaporated. On the 15th the American corps commander ordered the abbey treated as an enemy

position. When the bombs hit, several hundred Germans were seen running from its ruins.

No country in the world is more bountifully supplied with cultural and religious monuments than Italy. As far as is militarily possible, General Dwight Eisenhower has ordered them to be spared destruction. But he says that the lives of his men count for more than existence of historic buildings. The problem has come up in Italy before. It will arise again, especially as the Allies approach Castel Gandolfo, the Pope's beautiful summer villa, and Rome itself. Already the Allies have said that Germans are stationed in Castel Gandolfo, while the Nazis and the Vatican have denied it.

**This is PARD before
Dehydration**

1. Here is how the
Pard we're making right
now would look if we
could bring it to you in
pre-war form—in cans.

NATURAL COLOR
PHOTOGRAPHS

**This is PARD
DEHYDRATED ***
water added
ready to serve

2. Here is the same
fine Pard as shown in 1
—except its moisture
has been removed by
scientific dehydration,
then later restored be-
fore serving by the sim-
ple addition of water.

**THE LONG
AND SHORT
OF IT IS**

... it's the same fine PARD!

**Buy
War
Bonds!**



Big dogs! Little dogs! They all agree:
it's the same fine Pard. So will yours.
Just add water to Pard Dehydrated and
he'll show you it's his all-time favorite!

You see, an exclusive Swift process of
low dehydration temperature (under
200° F.) drives off all the moisture—
slowly—and so scientifically that all of

Pard's "fresh food" goodness is quickly
restored when water is added. All the
food essentials needed for sound health
are there, too—just as always!

Thrifty to feed and convenient—Pard
Dehydrated is an excellent every-day
diet for your pet. And it helps you save
on precious table foods!

*** PARD DEHYDRATION IS EXCLU-
SIVE!** It starts with fresh meat by-
products and other wholesome
ingredients. Then all moisture
—and nothing but moisture—is
slowly removed in a wholly new
way (Pat. applied for.) that
leaves all food values intact.
There's no other dog food like it!

**LIKE FRESH-
GROUND FOOD**
Pard before de-
hydration is
blended into a
well-balanced,
appetizing for-
mula—rigidly adhered to and
nutritionally excellent.



**"FRESH FOOD" GOODNESS RE-
STORED IN 20 MINUTES!**
Put Pard Dehydrated
in a Mason jar with
equal amounts of wa-
ter. In 20 minutes the
"fresh food" goodness
will be restored. If kept over-
night, be sure to refrigerate



"The family dog . . . in
life our firmest friend,
the first to welcome,
the foremost to defend.
Let's treat him well."



"All right, tell Jack he can come in now..."

DRY *Paul Jones*...a gentleman's whiskey since 1865

THE DRYNESS (lack of sweetness) in Dry Paul Jones is a quality you will appreciate. For it is this dryness which permits you to

enjoy the *full* measure of Paul Jones' greatness . . . to enjoy all of its fine flavor and superb mellowness.

A blend of straight whiskies—90 proof. Frankfort Distillers Corporation, New York City



Admiral Nimitz inspects a twin-mount 5-inch Jap gun on Kwajalein. Gun has been blown from its base on right, which is also riddled with fragments from U. S. bombs and shells.



Continuing his inspection, Admiral Nimitz comes on another pair of Jap 5-inch guns. The Japs never got chance to fire. These guns, which are of British make, brought from Singapore.

NIMITZ' NAVY

COMMANDER OF THE U. S. PACIFIC FLEET, MOST POWERFUL IN THE WORLD, GIVES JAPANESE EMPIRE ITS BLACKEST MONTH IN HISTORY

February was the blackest month in the history of the Japanese Empire. Like an enraged lion suddenly escaped from its cage, the U. S. Navy was loose in the Pacific. On Feb. 8 Kwajalein, the key to the Marshalls, fell. On Feb. 16-17 Truk was hit by several hundred U. S. carrier planes. On Feb. 17 Eniwetok Atoll, westernmost of the Marshalls, was invaded. On Feb. 22 Saipan and Tinian bases in the lower Marianas, were battered by carrier planes roaming through the skies 1,300 miles from Tokyo. The Jap position in the islands of the South Pacific seemed in danger of becoming untenable.

What had changed the whole complexion and tempo of the Pacific War was the sudden emergence of the U. S. Pacific Fleet as the newest and most powerful assemblage of warships in the world. Commander in chief of this mighty navy was Admiral

Chester W. Nimitz, a taciturn Texan about whom the world knows his name, his title, his work and virtually nothing else.

A fortnight ago Admiral Nimitz boarded a Navy plane at Honolulu and flew to Kwajalein. There, as shown in these pictures, he inspected the damage done by his warships and his planes. For a few minutes he stood in solemn reverie beside the graves of his American dead. Then he flew back to his headquarters at Pearl Harbor to await reports from his ships operating off Truk and Saipan.

Nimitz took command of the Pacific Fleet on Dec. 31, 1941. Five of its battleships lay on the bottom of Pearl Harbor. It was short of ships, planes, supplies. For two years he was forced to fight a defensive war. Even his first offensives—in the Solomons, New Guinea and the Aleutians—were defensive in character.

By last fall, however, he was ready for the offensive. His island supply bases had been built up. He had the planes and the men. Most important, he had the ships—new carriers, new battleships, new cruisers, new landing craft. An observer who had not seen the Pacific Fleet since before Pearl Harbor would not have recognized it. The battle fleet itself was made up almost completely of new ships. First came the attack on Tarawa and Makin in the Gilberts. They were won in 76 hours. Then, in rapid succession, came Kwajalein, Eniwetok and the attacks on Truk and Saipan. By last week Nimitz' navy seemed to be running virtually unopposed through the Central Pacific. He was already well on his way toward his goal of landing troops, planes and supplies on the coast of China. For a discussion of the larger strategic aspects of our war with Japan, see pages 100-112.

In a hangar on Roi, Admiral Nimitz (center) confers with Admiral J. H. Hoover and Captain Ewen (left), and Lieut. General Richardson and War Correspondent Reed of I.N.S.



Admiral Nimitz stands with head bowed on American cemetery at Roi. In Kwajalein Atoll invasion 286 U. S. troops were killed and 1,148 wounded. More than 8,000 Japs were killed.





February's fighting raged across the little-known atolls and archipelagos of the Central Pacific, the scene of much diplomatic history before and after World War I. The Gilbert Islands were discovered by the Englishman John Byron in 1765. They were claimed by the British in 1892.

The Marshalls were first visited by the Spanish, but the Germans attacked them in 1885. The Caroline Islands were first made known to Europeans by the Portuguese. In 1875 the Spanish claimed them, only to sell them to the Germans in 1899. The Marianas were discovered by

CENTRAL PACIFIC ADVANCE

It scares Japan into firing chiefs of its Army and Navy General Staffs

In Japan last week the chiefs of the Army and Navy General Staffs were fired. The map above shows why. The Jap strategy for the defense of the Empire was based on an impenetrable sea perimeter of air and naval bases extending out to the Marshall and Gilbert Islands on the east and the Solomon Islands on the south. By last week that perimeter had been broken. The U. S. Navy was driving a deep wedge into Japan's defenses in the Central Pacific. Said Premier Tojo, as he took command of the Army: "The war situation is truly grave, and by no means permits optimism."

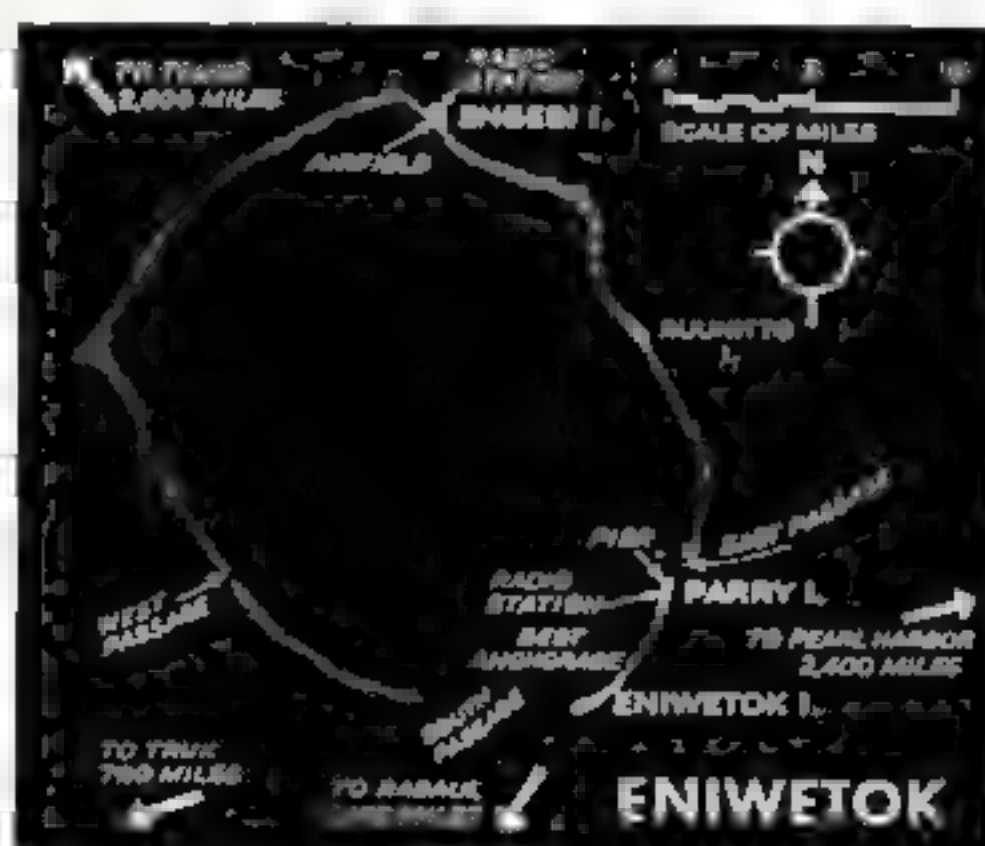
The Americans were headed west, straight for the Philippines, the coast of China, and Japan itself. If they were successful in opening a supply line through the Central Pacific, they would cut off all Japanese reinforcements from the south. The Dutch East Indies, Singapore, New Britain, the rest of New Guinea, would fall like overripe apples. In this advance they were using seapower in a way never before attempted. The basis of their task forces was a concentration of carriers. By overwhelming air and seapower they kept the Japs on the defensive and away from the battle areas. The threatened Jap bases, cut off from all supplies, were left help-

less. Not all of them were even worth capturing. Some of them, like Mili, Wotje and Jaluit were isolated. It seemed possible that Truk itself might be by-passed.

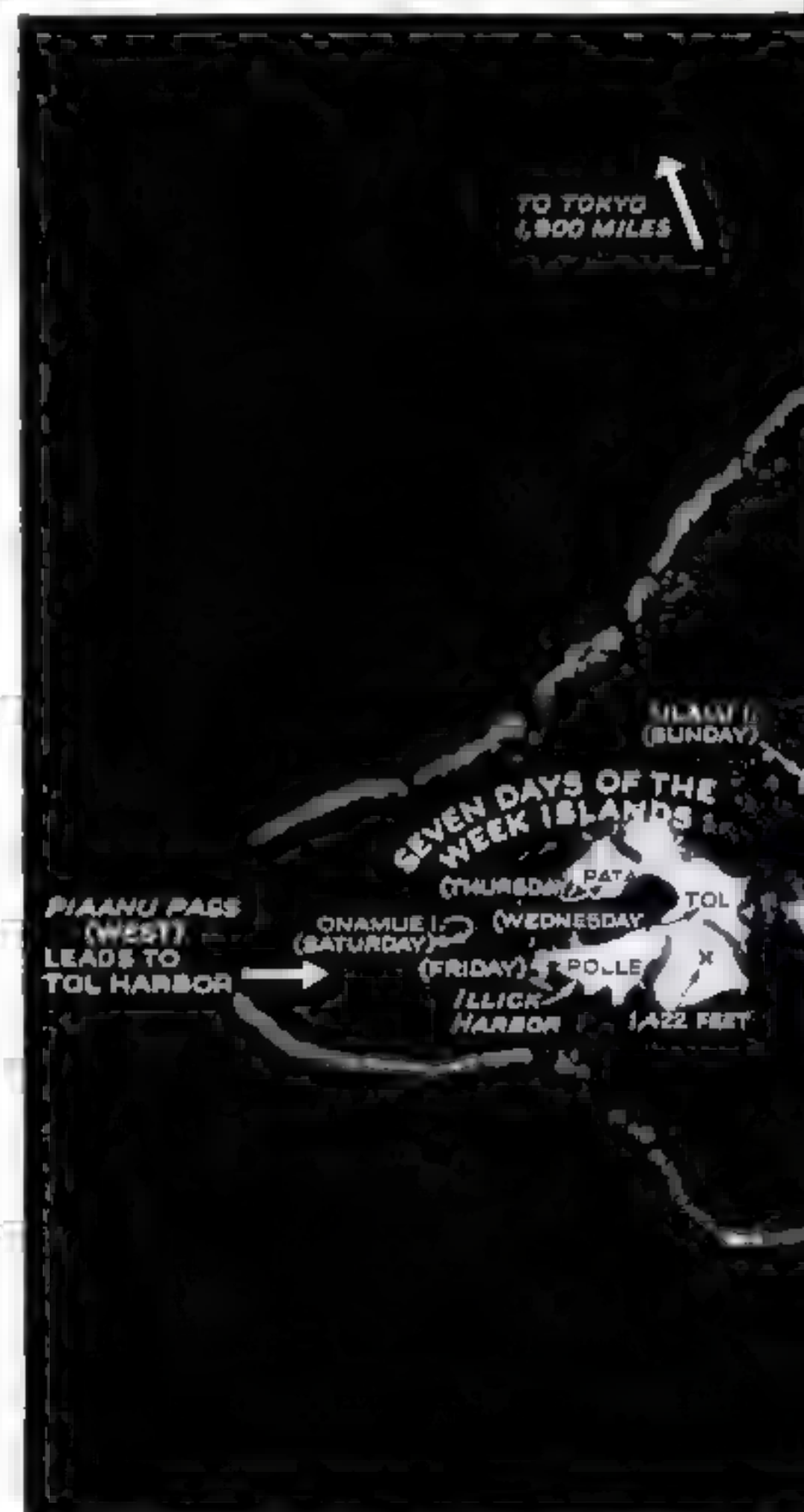
This did not mean that the war in the Pacific was getting any shorter or easier. The U. S. is merely moving into position for the showdown fight. Not until it is able to engage the main Jap Army will it have a chance for victory. Meanwhile the obvious Jap strategy is to make every advance as costly for the Americans as possible. This involves extremely judicious use of their waning airpower and their navy. Although inferior in size to the American Navy, the Jap fleet is still a powerful weapon. It consists of perhaps 10-11 battleships,

7-8 carriers, 30-40 cruisers, 70-80 destroyers. The big question last week was, "When will the Jap Navy come out to fight?"

The answer would be "Not yet." In spite of the operations in the Central Pacific the Jap homeland was still a mystery. The navy would be withheld until the time when such danger existed, and when the American Navy might be caught at a disadvantage in narrow waters or within range of land-based bombers. If too small to engage the U. S. fleet it could then still be used to harass Allied supply lines.

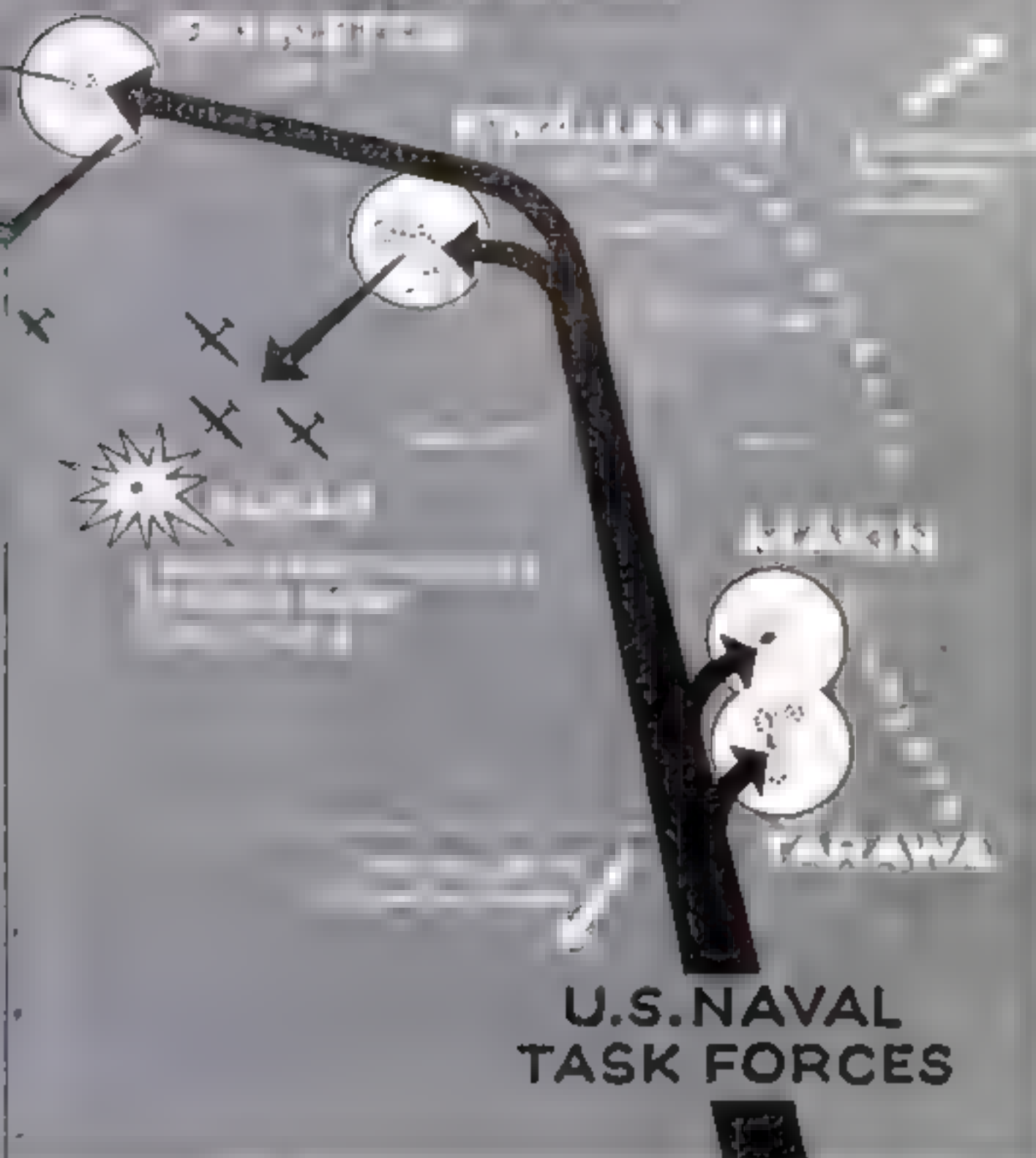


Eniwetok Atoll was invaded Feb. 17 by American forces. The first landings were made on Engebi, which was captured in six hours, five minutes. Landings followed on Eniwetok Island itself and on Parry Island, guarding the deep eastern passage.



Most important Jap base in the Central Pacific, Truk, was hit by the greatest carrier-borne air fleet ever sent against a single objective on Feb. 16 and 17. The U. S. fliers sank 19 ships and destroyed 201 enemy planes. Even the Japanese

PACIFIC AFLAME



U.S. NAVAL
TASK FORCES

Magellan in 1521, but they too were sold to Germany in 1899. After World War I the Marshalls, the Carolines and the Marianas were mandated to Japan by League of Nations. Japan violated its mandate by secretly fortifying them for World War II.



admitted loss of 18 ships. The cost of the raid was 17 planes. As this map shows, Truk is one of the best natural bases and fortresses in the world. There are splendid harbor facilities, plenty of airfields, cantonment areas, supply and repair bases. The coral reef 35-40 miles in diameter protects installations from direct sea attack.

CONTINUED ON NEXT PAGE

"I'm on my way to jail...
Hooray! Hooray!"



1. Yesterday I was only a copy boy on the *Daily Breeze*. Now, let me tell you what happened. For the forty-seventh time I tried to convince the sourpuss City Editor I ought to be a reporter. He pushed his eyeshade back and glared.



2. "It's ten minutes before deadline for the early evening edition," he hollered. "Big news is popping. I'm dying for a cup of coffee that I can't have. And you have to start pestering me about being a reporter. Reporter, my paste pot! Scram!"



3. "Why can't you have coffee?" I asked, just to change the subject. "Because I'm one of those people affected by caftin. One cup of coffee and I don't sleep. That's why," he bellowed. "Now will you get out of my hair?"



4. So I sneaked out for a container of piping hot Sanka Coffee. I laid it on his desk. And before he had a chance to speak, I gasped "Boss-this-is-Sanka Coffee-real-coffee-only-it's-97%-cafein-free-can't-prevent-sleep-honest!"



5. He inhaled the tantalizing aroma. He hesitated. He sipped. He gulped. He sighed "That was wonderful," he breathed almost reverently. "But, boy, you'd better be right about that sleep, or..." He didn't say or what, but I could guess.



6. Next morning he came in beaming. "That Sanka's marvelous," he announced. "I slept like a babe. Feel fine. Hey, you," he called, meaning me. "You're too smart to be a copy boy. Beginning now, you're a reporter. Hop over to the county jail and see if you can get a story on..." Wheeeee! Me! A reporter!



SANKA is real coffee, all coffee. Only the caffeine is removed. Sanka comes to you roaster-fresh, in vacuum-packed glass jars. And you can enjoy it as strong as you like, because it's 97% caffeine-free! Try it today! A General Foods Product.

★ Listen to the Kate Smith Hour every Friday evening. CBS Network.

FOOD FIGHTS FOR FREEDOM

Let's resolve to produce, conserve, share, and play square with Food!

NOW! THIS AMAZING NEW 8-VITAMIN, 9-MINERAL TABLET TAKES THE PLACE OF ALL LESS POTENT PREPARATIONS

1 Stams Tablets Meet All U.S. Govt. Minimum Requirements For Vitamins For Which Requirements Have Been Set, Namely A, B₁, B₂, C, D.*

2 Stams Also Give You Niacin, 2 Additional B Complex Vitamins and 9 Minerals.*

3 Stams Meet Multi-Vitamin Principle Approved by Official Committee of Doctors.

COMPARE STAMS WITH 4 OTHER POPULAR BRANDS

YOU GET MORE	STAMS	OTHER BRANDS	1	2	3	4
VITAMIN A	X	X	X	X	X	X
VITAMIN B ₁	X	X	X	X	X	X
VITAMIN B ₂ (D)	X	X	X	X	X	X
VITAMIN C	X	X	X	X	X	X
VITAMIN D	X	X	X	X	X	X
IRON	X	X	X	X	X	X
IODINE	X	X	X	X	X	X

* Indicates Vitamins and Minerals present in daily dosage quantities that meet or exceed minimum adult daily requirements of U. S. Government.

Also—these vitamins and minerals: (★)

NIACIN	★	★	★	★	★	★
VITAMIN B ₆	★	★	★	★	★	★
PANTOTHENATE	★	★	★	★	★	★
CALCIUM	★	★	★	★	★	★
PHOSPHORUS	★	★	★	★	★	★
COPPER	★	★	★	★	★	★
ZINC	★	★	★	★	★	★
MAGNESIUM	★	★	★	★	★	★
MANGANESE	★	★	★	★	★	★
COBALT	★	★	★	★	★	★

FULL POTENCY GUARANTEED INCLUDING 8 VITAMINS OF THE B COMPLEX

NOW at last! One of the world's largest producers does for vitamins and minerals what Henry Ford did for the automobile: banishes guesswork, high cost.

An amazing new vitamin tablet containing 8 vitamins and 9 minerals that takes the place of less potent vitamin preparations for the average person.

Made to sell at a price millions can afford. This new invention is called Stams Multi-Vitamin and Mineral Tablets. Full vitamin and mineral potency is guaranteed as stated on the package. Or your money back.

If you are not up to par because your diet lacks vitamins and minerals, Nature can give you more vitality and pep with Stams.

Stams cost less than 5¢ a day to take in the economy size—less than 1/2 the price of cigarettes. Get Stams at drug or department stores. Take three tablets daily. You'll be glad you did.

*3 Stams per day supply not only the full minimum daily requirements of Vitamins A, B₁, B₂, C and D, but also that of Iron and Iodine, 1/2 the Calcium, 1/2 the Phosphorus and 10 mg. of Niacin. Also 2 additional B Complex vitamins and 5 other minerals, the need for which in human nutrition has not been established, but considered important by many authorities.



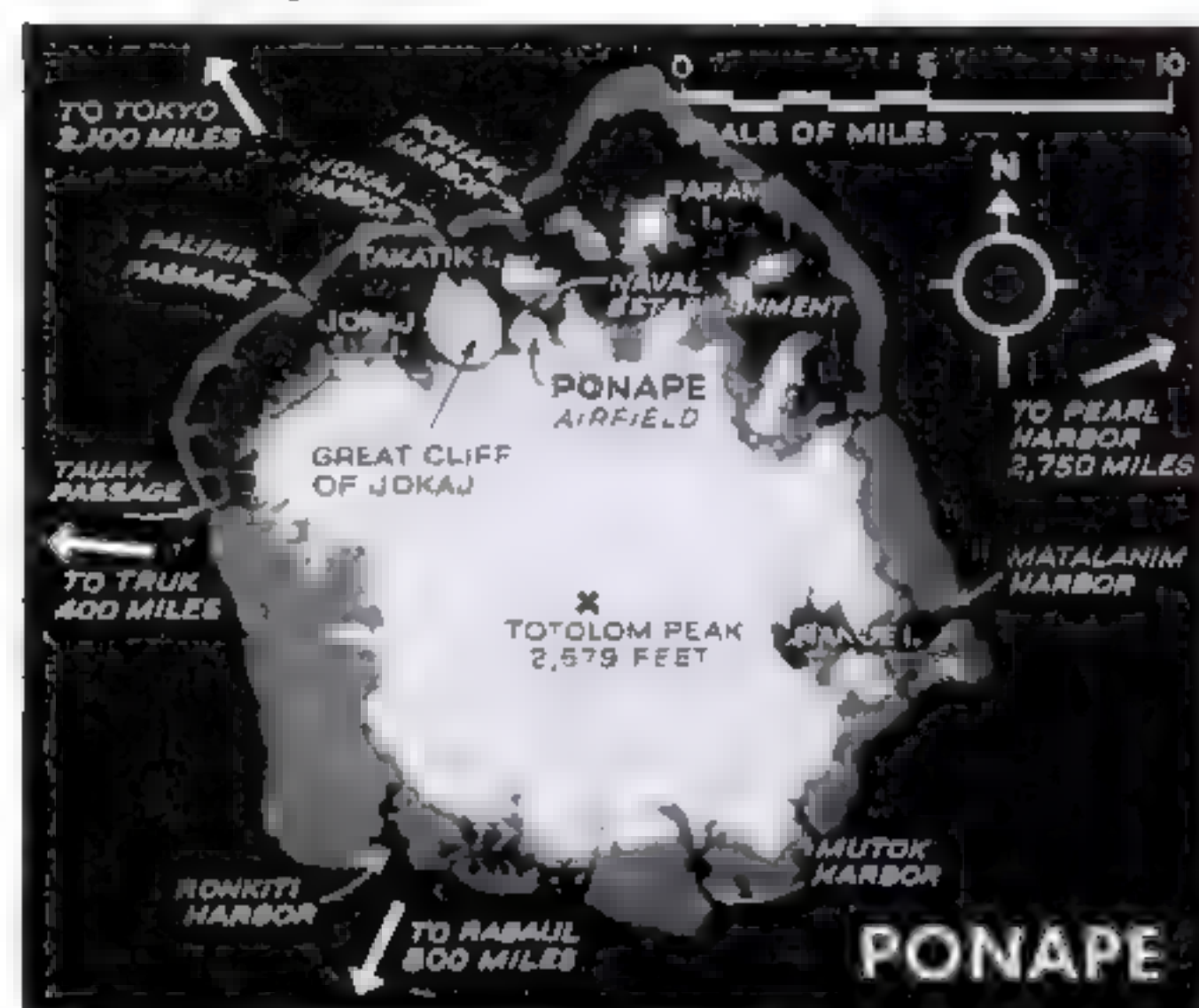
If you are not up to par
because your diet lacks
Vitamins and Minerals...
**NATURE CAN GIVE YOU MORE
VITALITY AND PEP WITH STAMS**

POTENCY
GUARANTEED
BY THE GOVERNMENT

STAMS
MULTI-VITAMIN
AND MINERAL TABLETS

Distributed by Pharmaceutical
Division, Standard Brands Incorporated

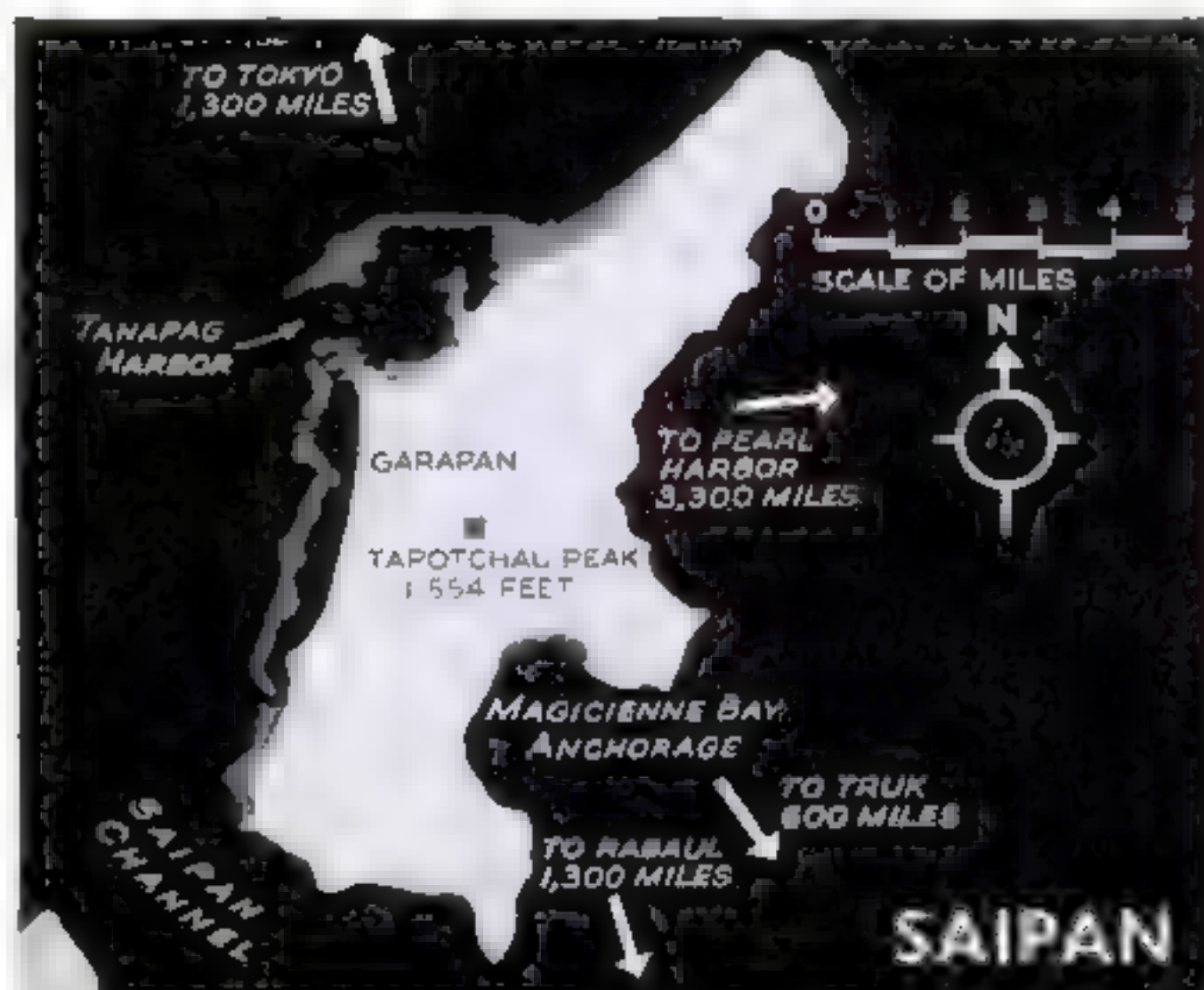
Nimitz' Navy (continued)



One of the largest of the Carolines, Ponape was bombed Feb. 14 by Army Liberators. Planes hit shore installations, airdromes and sank a cargo ship. Here the Japs have a well-fortified base. The anchorage is small but good. Distinctive features are Totolom Peak, which is usually covered by clouds, and waterfalls on mountain slopes.



In the eastern Carolines, Kusaie was bombed on Feb. 23 by Army and Navy Liberators. They hit wharves, radio facilities, cantonments, an ammunition dump, sank one ship, damaged another. Eight miles long, Kusaie is fringed by a reef. Main harbor is Lele whose 200-yard entrance is well sheltered by Mt. Crozer and other peaks.



Largest of the Marianas, Saipan was bombed by carrier planes Feb. 22. Other planes from the carrier group hit Guam. In both raids 135 Jap planes were destroyed at a cost of six U. S. planes. Saipan has two anchorages, both small but adequate. Distinctive features of Saipan are its volcano, its sea birds and its phosphate deposits.

THEY PICK A ONE-TWO PUNCH



INSIDE THE WAIST of this "Fort," everything is strictly business. Outside of "office hours"—that's when Camels come into the picture (see right). Favorite with men in all the services,* you'll find Camels extra mild, cool, and full-flavored...and fresh everywhere...CAMELS are packed to go round the world, to stay fresh anywhere!

First IN THE SERVICE

*The favorite cigarette with men in the Army, the Navy, the Marines, and the Coast Guard is Camel.

(Based on actual sales records.)

CAMELS

● See those belts of bullets feeding into the .50-calibre waist guns above? Evelyn Bogy (right), tester at S. W. Farber, Inc., tests the links that hold those belts together. And like the men who man the guns, her cigarette is Camel. "I liked Camel's rich, fresh flavor from the very first," she says, "and I appreciate Camel's extra mildness."



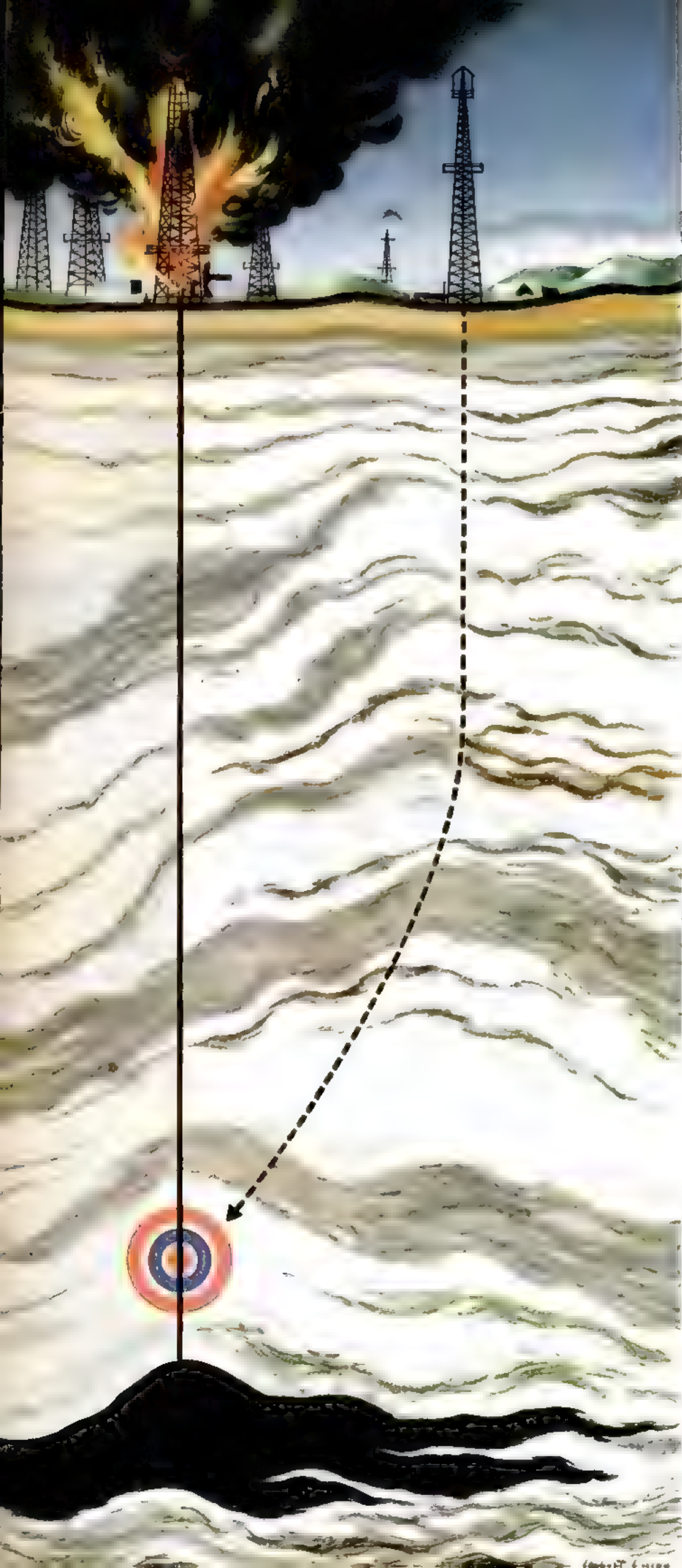
THEY'VE GOT WHAT IT TAKES!

● They're the waist gunners of a Flying Fortress; and come Zeros or Messerschmitts, you'll find them at the two .50-calibre guns at the left. And after that B-17 has set her wheels down, you're apt to find them lighting up a Camel... for, as the gunner below at the right puts it: "Camels have a full, round flavor that says 'welcome' from the first puff. And I know from experience, they're extra mild."



Check
Camels
with your  Zone

If you haven't smoked a Camel recently, give them a try today. Compare them for taste...for your throat...for your "T ZONE." On the basis of the experience of millions of smokers, we believe you will like the extra flavor that Camel's blend of costlier tobaccos gives. We believe your throat will confirm the findings of other Camel smokers. So try Camels today! R. J. REYNOLDS Tobacco Co. Winston-Salem, N. C.



How to Hit a Target 2 miles underground

When you're drilling for oil, the unexpected can always happen. There's gas down there, a mile or two below—suppose it cuts loose, blowing your "string of tools" and derrick into the next township . . .

Or a spark can turn your producing well into a torch.

And every drop of oil is precious now!

* * *

With the assistance of a Shell invention, a well on fire—or blown out by gas—can be brought under control through a "relief" well. Drilled from a distant point, this connects with the old well far underground . . . hitting the tiny, distant, invisible target "on the nose!"

Shutting off the oil or gas in a "wild" or burning well is a spectacular use of *directional drilling*—but not the most important.

Working on the Shell principle, the direction of the drill is under control—even if it's 15,000 feet deep. From dry land you can slant your well offshore to bring up oil from under the sea. Or you can find your way around a "fault" in the deep earth. Or you can be sure you're drilling your well *straight down*, if that's what you want. And don't think this isn't a trick!

Every extra drop of petroleum being brought up by Directional Drilling now has a "critical" function. Molecules from this drop may appear in Shell's 100 octane aviation gasoline, in butadiene for synthetic rubber, in toluene for TNT . . . or in the sedative which soothes a flyer to restful sleep after a nerve-torturing mission . . .

* * *

And, as the result of Shell Research achievements, petroleum molecules enter your own daily life in more ways than you think.



First oil refinery to win the Army-Navy "E"—
Shell's Wood River Refinery.

**SHELL
RESEARCH—**

Sword of Today

Plowshare of Tomorrow





FAST HAWAIIAN "WAR" DANCE BY KAY TOTH IS ACCOMPANIED BY RATTLING OF "ULIULIS," COURDS CONTAINING DRIED SEEDS, DECORATED WITH DYED CHICKEN FEATHERS

THE CLASSIC HULA

American girls are now learning
ancient native dance of Hawaii

Since Pearl Harbor, U. S. interest in Hawaiian customs and culture has tripled, according to the Hawaiian Federation of America. Uncounted acres of grass skirts have been mailed home to girl friends by servicemen in the Pacific. Hence uncounted American girls are now learning the hula. For their benefit LIFE's Gjon Mili has photographed aspects of this classic dance as performed by Kay Toth, an American girl (known professionally as Kelani) whose interpretations are endorsed by the Hawaiian Federation.

Hula means dance. Actually it is more than just a dance. To the ancient islanders, who had no written language, the hula and accompanying chants were repositories of religious lore and history. Much that is known today of Hawaii's traditions and mythology is what the hula narrates through its language of motion and song. Though comic and vulgar elements have corrupted modern versions, the classic hula remains an art form of grace and beauty. For pictures of Kay Toth interpreting an ancient chant, turn page.



The RAINBOW stands red O'er the OCEAN MIST CRAWLS from the sea and covers the land



FAR as Kahiki Flashes the LIGHTNING A reverberant roar of THUNDER



Like a SHOUT from four hundred people... I APPEAL to thee, Laka "Pan" (how) is formal conclusion

This ancient hula sets forth the islander's sensitivity to nature's moods through imagery of the dance. Footwork is simple and serves as a tempo-setter. The body sways in conscious simulation of palm trees stirred by sea winds. These factors are common to all hulas. The

individuality of each hula lies in the narrative action of hands and arms. In the captions above the key words, portrayed by Kay Toth through her mimetic gestures, are set in capitals. Laka is the goddess of the dance. The final position is stylized ending for all hulas.

CONTINUED ON PAGE 51

WAKE UP! BEFORE TEETH LOSE THEIR BEAUTY *SPEND ONE EXTRA MINUTE A WEEK!*

AMONG LEADING DENTIFRICES—ONLY TEEL AVOIDS THESE CAVITIES!

HE: Dum-de-dum-de da-de-dum . . .

SHE: What's all the joy, Caruso?

HE: I've just brushed my teeth with TEEL. It's a real waker-upper, and safer, too.

SHE: Safer? How come?

HE: Simple! Dental studies showed that 8 in 10 adults may risk getting cavities at the gumline.

SHE: Wait a minute, professor. My dentifrice is safe!

HE: You may *think* so—but studies show that TEEL is the *only* leading dentifrice that protects you from those ugly gumline cavities.

SHE: But I *like* the dentifrice I'm using.

HE: Ah, yes. But you'll like TEEL *better*. TEEL is a liquid with an invigorating flavor. Makes your mouth feel clean and tingly. It's *delicious!*

SHE: Sounds good.

HE: Yes, and it's easy to use. Just brush your teeth every day with TEEL and once a week . . . for about a minute . . . brush with TEEL and plain baking soda. Try it and you'll sing too! Dum-de-dum-de-da-de-dum . . .

* * *

Get TEEL—today—at any drug, department or 5 and 10¢ store.



8 in 10 You May Risk Cavities Like These

See that cavity in the tooth at the left? It's NOT decay or erosion! That cavity was caused by daily scouring. Dental clinic studies have shown that *over half of all adults examined* had these cavities—and *more than 8 in 10 risked getting them*—cavities ground into the softer tooth structure exposed by receding gums.

BUT— extensive laboratory tests show this: **TEETH CLEANED WITH TEEL ARE PROTECTED FROM SUCH CAVITIES . . . BECAUSE TEEL CONTAINS NO SCOURING ABRASIVES. MOREOVER, TEEL IS THE ONLY LEADING DENTIFRICE THAT GIVES YOU THIS PROTECTION.**



NEW SAFE TEEL WAY TAKES ONLY

*One Extra
Minute
a Week!*

Teel protects teeth—*Beautifully!*

LIQUID DENTIFRICE

There's beauty in every drop!



HERE'S ALL YOU DO

1. Brush your teeth every day—thoroughly with TEEL. A few drops on dry or moistened brush. Feel it clean!
2. Once a week brush teeth with plain baking soda on brush moistened with TEEL. Brush at least an extra minute.

THIS CLEANS AND BRIGHTENS TEETH—SAFELY



Mimetic gestures of the hula are for the most part artless and comprehensible to anyone. In its ancient forms the hula's gestures were more complicated and abstract.

CONTINUED ON PAGE 52



A Pop-Gun for Private Pringle

No. Private Pringle needs the real thing—the best we can give him. That's why popguns are scarce in Fred Harvey shops these days. So are many more of the metal toys and gifts that used to catch your eye. The materials that went into them . . . the men and machines that made them—are needed now to turn out *fighting* weapons.

But a mere temporary shortage of metal articles could never change the colorful, inviting atmosphere of Fred Harvey shops. Along the counters and shelves . . . and in the tempting display windows . . . you'll still find most of the things you'd like to buy. If the particular gift or toy you have in mind is missing, just remember it's helping Private Pringle wherever U. S. armed forces are attacking.

Remember, too, that in Fred Harvey restaurants, hotels, and

dining cars we're serving tens of thousands of uniformed men and women *every day*—all this in addition to our tremendously increased wartime civilian patronage. With food rationing so severe and help so scarce, we can't always offer you the kind of service you have come to expect.

Your good-humored acceptance of these things has helped us do a better wartime job. After victory our shops once more will be *completely* stocked . . . and in our restaurants and hotels the old-time Fred Harvey hospitality will be back again—to stay.

★ ★ ★

AFTER THE WAR, with money you're saving in War Bonds, travel and see the America for which we are fighting. Visit the world-famous Fred Harvey Hotels at Grand Canyon National Park and in old Santa Fe, New Mexico.



Fred Harvey

RESTAURANTS • SHOPS • HOTELS • DINING CARS

3000 MILES OF HOSPITALITY—FROM CLEVELAND TO THE PACIFIC COAST

Copyright 1944 Fred Harvey, Chicago

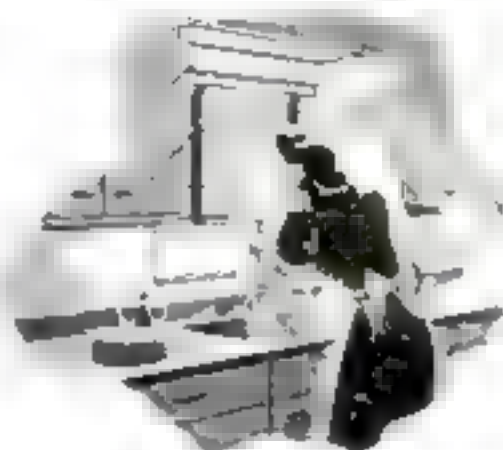
HOW PRECIOUS ARE YOUR CHILD'S EYES?



Nothing can replace them. And it's your job to keep these young eyes healthy. That means See-ability for every seeing task. For See-ability, you need good lighting and good lamps. Good lighting means ample, diffused light, free from shadows and glare. Good lamps mean Westinghouse. Persistent research and engineering resourcefulness make today's Westinghouse Mazda Lamps brighter and longer-lasting than ever before. For efficient, dependable service, get Westinghouse Mazda Lamps. Westinghouse Electric and Manufacturing Co., Bloomfield, N. J. Plants in 25 cities . . . offices everywhere.

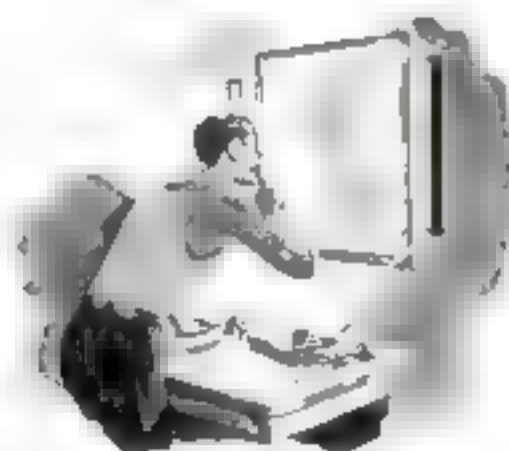
SEE-ABILITY IN YOUR HOME OF TOMORROW

Benefiting from wartime lighting improvements developed by Westinghouse engineers, you'll enjoy higher light levels tomorrow. You'll have greater eye comfort and convenience, more beautiful lighting effects.



SOFT, COOL fluorescent light over the sink for easier dishwashing . . . extra light over work surfaces, plenty of light for cupboards.

A SEE-ABILITY BATHROOM—easier shaves for Dad in front of a mirror with plenty of light—free from glare and shadows.



LET'S ALL BACK THE ATTACK . . . BUY AN EXTRA BOND!



**Enjoy the Westinghouse radio program with John Charles Thomas, NBC, Sunday, 2:30 p.m., E. W. T.*

YOU'LL MAKE A PRETTY PICTURE IN YOUR
Judy Bond
PORTRAIT NECKLINE
Blouse
SOLD BY FINE STORES EVERYWHERE

Be Smart - BUY WAR BONDS

Look Smart - WEAR

Judy Bonds

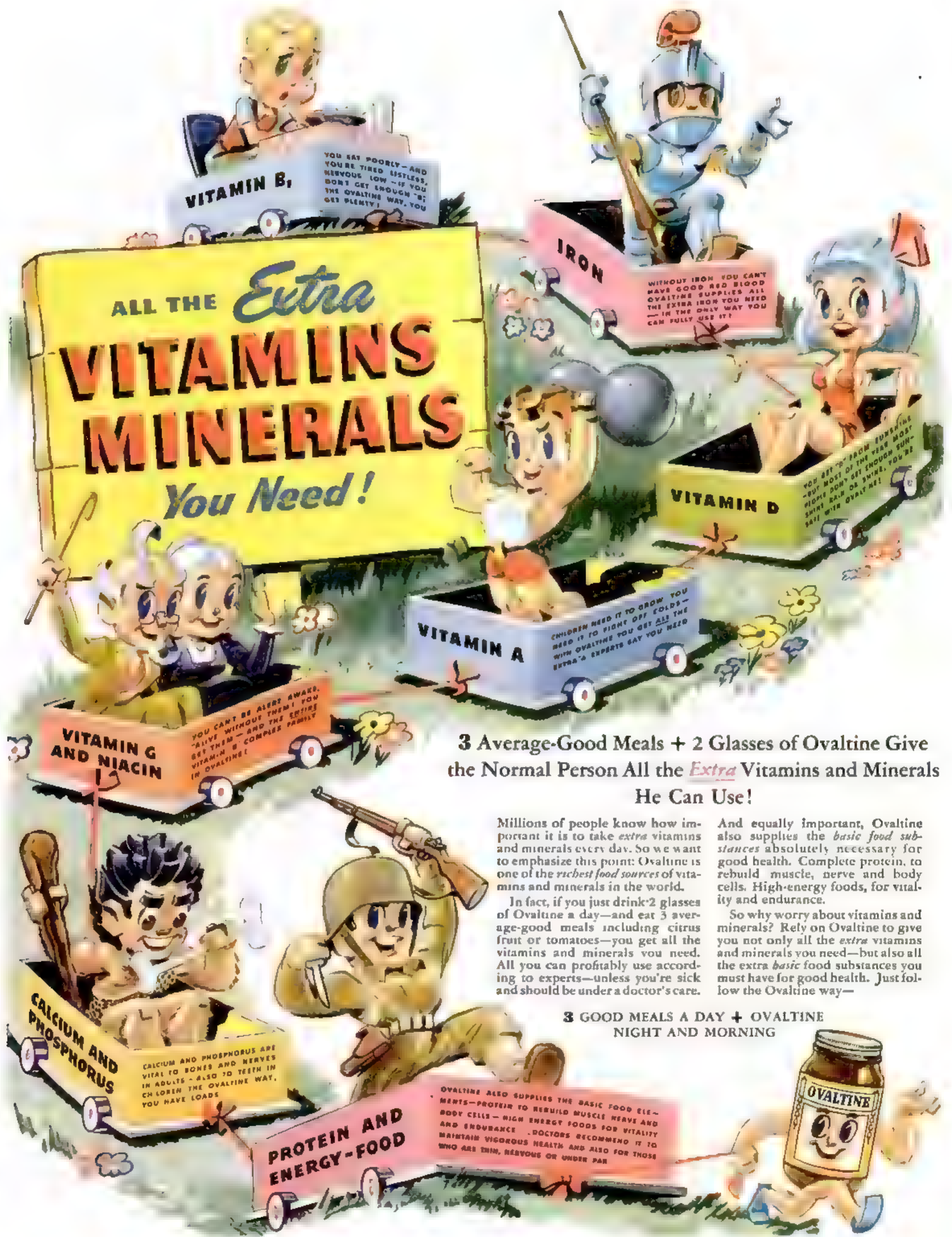
FREE BOOKLET Pages for pictures. Pages for important addresses. Pages for your war stamps.

JUDY BOND, 1375 Broadway, N.Y. 18
Please send me a copy of your Free
MEMORY BOOK
Name _____
Address _____

Hula (continued)



Vocabulary of the hands clearly depicts familiar things. Here Kay Toth wears modern cellophane skirt. The authentic native ones are made of green ti leaves or grass



**3 Average-Good Meals + 2 Glasses of Ovaltine Give
the Normal Person All the *Extra* Vitamins and Minerals
He Can Use!**

Millions of people know how important it is to take *extra* vitamins and minerals every day. So we want to emphasize this point: Ovaltine is one of the *richest food sources* of vitamins and minerals in the world.

In fact, if you just drink 2 glasses of Ovaltine a day—and eat 3 average-good meals including citrus fruit or tomatoes—you get all the vitamins and minerals you need. All you can profitably use according to experts—unless you're sick and should be under a doctor's care.

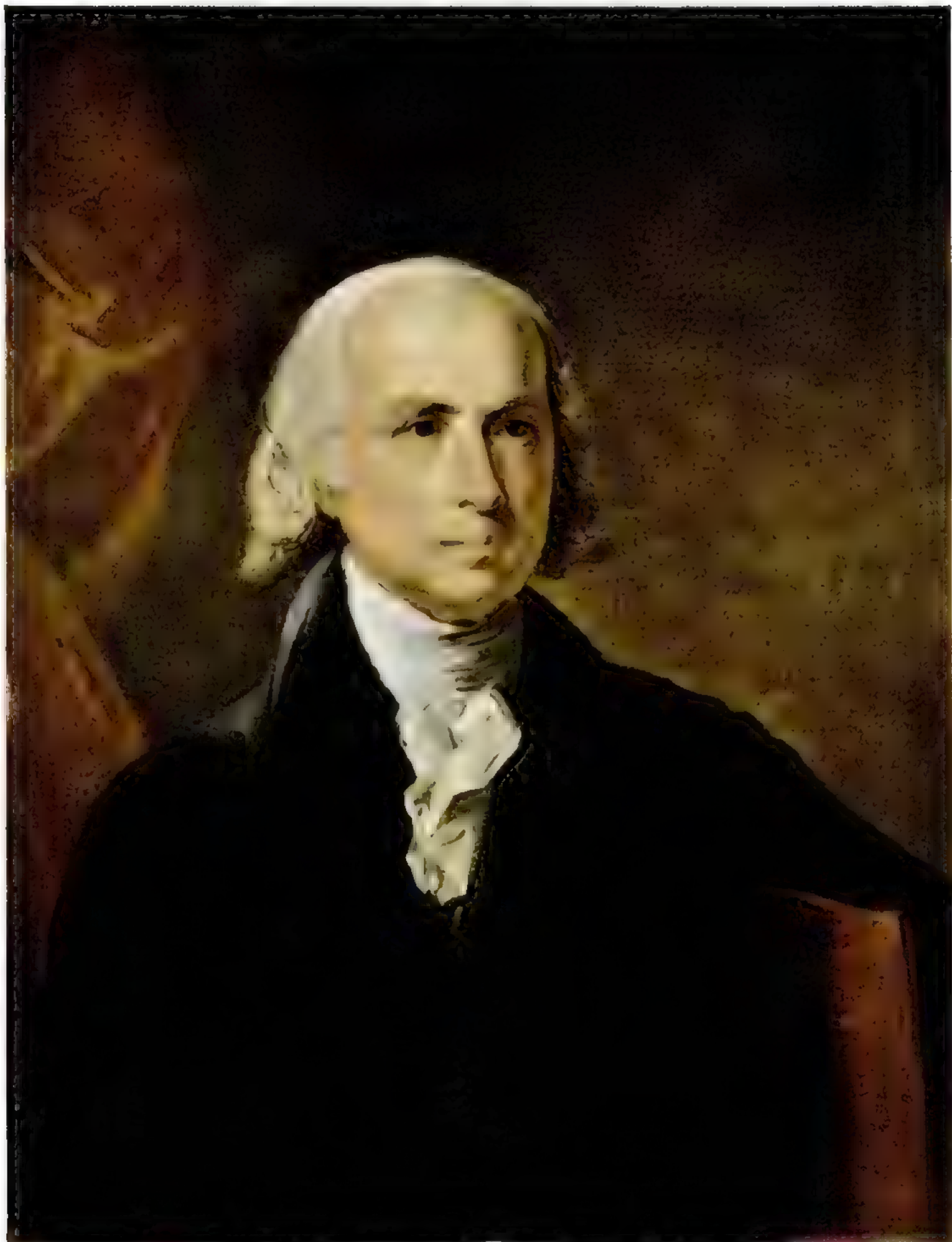
And equally important, Ovaltine also supplies the *basic food substances* absolutely necessary for good health. Complete protein, to rebuild muscle, nerve and body cells. High-energy foods, for vitality and endurance.

So why worry about vitamins and minerals? Rely on Ovaltine to give you not only all the *extra* vitamins and minerals you need—but also all the *extra basic food substances* you must have for good health. Just follow the Ovaltine way—

**3 GOOD MEALS A DAY + OVALTINE
NIGHT AND MORNING**

OVALTINE ALSO SUPPLIES THE BASIC FOOD ELEMENTS—PROTEIN TO REBUILD MUSCLE NERVE AND BODY CELLS—HIGH ENERGY FOODS FOR VITALITY AND ENDURANCE. DOCTORS RECOMMEND IT TO MAINTAIN VIGOROUS HEALTH AND ALSO FOR THOSE WHO ARE THIN, NERVOUS OR UNDER PAIR





James Madison

became the "father of the Constitution" by persistent scholarship and clever politics. He married the prettiest widow of his day (Dolly Payne Todd), knew everything about the his-

tory of ancient republics and personally recorded all of the debates on the Constitution in 1787. Madison, even when President, considered Congress the No. 1 branch of the Government.

Our American form of government, how it came to be, how it works, and what, in essence, it is.—A conversation from "The Republic"

EDITOR'S NOTE: In his new book, *The Republic* (Viking, \$3), Charles A. Beard, one of America's great historians and thinkers, outlines the basic facts and principles of the American form of government in a series of informal Friday-evening conversations held at the Beard home. LIFE is now publishing one such conversation from *The Republic* each week in condensed form. Each of these is a self-contained article, dealing with one or two great topics centering around the U. S. Constitution. This week's conversation is entirely devoted to criticisms of the federal system as it now operates in the U. S., and discusses various specific suggestions for improving it without altering our present Constitution.

It is the hope of LIFE's editors that many readers will not only listen in to the stimulating talk of Mr. Beard and his friends, but will also want to hold their own discussions this

winter on the subjects that are covered by *The Republic*. The three principal figures in the conversations are:

BEARD himself, who was born in Indiana in 1874, taught politics at Columbia University for 10 years, and wrote *An Economic Interpretation of the Constitution* in 1913. He is co-author, with his wife Mary, of *The Rise of American Civilization*, now in its fourth volume.

DR. ROBERT SMYTH (the name is fictitious), a neighboring physician who is in charge of health work for a large local factory. "Dr. Smyth" was born in South Carolina around 1870 and is a staunch old-fashioned "Cleveland Democrat." He has a strongly scientific turn of mind.

MRS. SMYTH, a Vassar graduate who cares for a household and four children, is also very active in community affairs. She is secretary of the local hospital board, has long been interested in the equal rights for women movement.



CHARLES A. BEARD

CRITIQUE OF THE FEDERAL SYSTEM

by CHARLES A. BEARD

BEARD: At our seminar on Congress you expressed the desire to devote a session to what you called a critique of our federal system. It would be helpful to have before us at the outset your ideas on the subject. That would prevent us from just shooting in the dark.

DR. SMYTH: You know and I know that 'we, the people,' as newspaper readers, have gathered from news columns and editorials a number of criticisms, sometimes definite, sometimes vague, to the effect that our federal system is out of date, is not fitted for the times in which we live. Not long ago, while the New Deal battle was on, the Supreme Court was attacked for blocking the will of the people. The President was criticized with equal severity for trying to override the Court rough-shod. Now Congress is assailed for blocking grand projects proposed by the President, again as a crowd of rubber stamps, or as plain dunderheads and nincompoops.

Perhaps the major part of the criticism comes under the caption that our political machinery, made for a small country mainly rural in economy, is not fitted for our industrial age. This impression I have gathered from reading and talking with men of affairs. For instance, down at the Union Club not long ago, several of us had a confab with John Shuttleford, a big man in the manufacturing field. Shuttleford is a considerate fellow who refused to join the hate-Roosevelt crowd. He tried to go along with the Roosevelt administration as best he could, and his relations with labor are known to be steady and friendly. So he is no common grouser.

Shuttleford told us that, much to his regret, he doubted whether our 18th Century political machine could much longer stand the strain of deal-

ing with complex economic matters, even to the minimum amount necessary to prevent revolutionary discontent.

Shuttleford, modestly declaring that he is no statesman, called for reforms in our system of government along the following lines: Congress ought to be smaller; the number of Senators from what he called grasshopper states ought to be reduced; the hullabaloo national party conventions ought to be abolished and the President be elected by Congress; and there ought to be a small legislative council composed of members from both houses, in constant session, working with the President and his administrators in interpreting and enforcing laws. Shuttleford admitted that the chances of effecting these reforms were slight. He closed with the words: 'I am worried. I fear that people will not see the necessity of revamping our old political machinery to fit modern industrial conditions or that such reforms may be delayed until we run into a smash which will make the breakdown of 1933 look like a tea party.'

BEARD: Well, Mrs. Smyth, your husband seems to have gathered in a lot of ideas for a critique of our federal system. Have you other suggestions?

MRS. SMYTH: After the question of a session on criticism came up, I wrote out at home on this sheet of paper a few topics, which I shall 'read into the record':

What about the scandals that constantly rise in our great cities from the operations of bosses and political machines, such as Hague's in Jersey City or the Kelly-Nash crowd in Chicago?

Since the Federal Government is spend-

ing so much money in our local cities and communities and building up armies of officeholders and recipients of federal funds, aren't our states and local governments in danger of losing their independence?

Supposing that this increasing centralization continues, will the states and local units become mere shells and perhaps be abolished?

I realize that our communities depend on industries large and small, which in turn depend on the national and international market. I feel that Mr. Shuttleford is right in insisting upon the necessity of a big federal regulating machine to make constant adjustments in business and finance. So I am wondering, with shuddering horror, whether there is something in fascism or communism. I do not mean in the fantastic and cruel notions associated with these systems, but in the acceptance of strong, centralized, almost dictatorial government.

BEARD: You have given me a large order. The best way for me to proceed, I think, is to concentrate your items under the best formula I can devise, and to consider this formula first, leaving the odds and ends of criticisms for separate treatment.

The most exact formula I can hit upon is: *Our federal political machinery, devised for a simple agricultural society, is not competent to resolve efficiently the issues forced upon government by the needs of our great industrial nation.*

DR. SMYTH: That is a pretty neat way of putting most of the case in a nutshell.

BEARD: I am not quite through yet. Able critics of our federal system have demanded the abolition of our presidential-congressional



Here's the latest color in Wembley Ties—a new, rousing red taken from the divisional insignia worn on a soldier's sleeve. It's Wembley's new war time fabric (available also in uniform khaki and black). The quality and craftsmanship are all you'd expect of a tie that bears the most popular name in neckwear—Wembley.

BUY BONDS—SPEED THE VICTORY

Wembley Ties

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THE U.S. CONGRESS convenes to hear a report from President Roosevelt. Under our federal system, the legislative and the executive functions are kept separate.

CRITIQUE (continued)

system and the adoption of parliamentary government instead.

MRS. SMYTH: Just what are the features of the parliamentary form which are marked departures from our system?

BEARD: I list the following essentials of parliamentary government, especially as operated in Great Britain, to be contrasted with the presidential-congressional-judicial system:

The chief executive or premier is chosen, not independently by the voters, but by a conference of the majority party in the legislature.

A true parliamentary system requires a legislature of one chamber or a legislature in which one chamber, like the House of Commons in Great Britain, is supreme for practical, operating purposes.

Parliamentary government is a kind of hair-trigger government. The political party which wins a majority in the legislature by that fact wins the right to choose the premier and all cabinet officers. The majority in the legislature can resolve to turn the executive out of office at any time by an adverse vote on an important issue. On the other hand the executive in such a cabinet crisis has a certain degree of independence. The whole cabinet may refuse to obey the legislature, resign, and allow the legislature to choose its successor. Or it may advise the Crown to dissolve the legislature, call a new election, appeal to the people.

Under this system members of the legislature and the executive do not hold office for any fixed term of years. There may be a law requiring an election at least every five or seven years, but the parliament may repeal that law and extend terms indefinitely.

When the Gun Goes Off

The hair-trigger feature of the system lies in this: at any moment the political gun may go off. If, at any moment, on any issue of weight, the legislature breaks with the executive, it may force a resignation of the cabinet or a new election.

Thus there can be no long deadlocks between the executive and the legislature, such as produce delays, inaction, and confusion under the American system of divided powers. The will of the majority in the election of the legislature immediately prevails, and that will can be discovered at a new election at any time.

Under the parliamentary system, the executive is directly and constantly responsible to the legislature and can be held to responsibility by threats of an adverse vote. The executive has the power of initiating the budget—the program of expenditures and taxes. It also has the power of initiating all important measures on legislation.

To complete the logic of the parliamentary system, the courts of law have no power to set aside statutes as unconstitutional, for that would introduce deadlocks between the courts on the one side and the executive and the legislature on the other side.

This in brief is my formulation of the parliamentary theory of government. In practice there are many variations of detail. The system works best where there are only two great political parties, fairly equal in popular support. Where there are many political parties, as in France before 1940 or Germany during the Weimar Republic, the hair-trigger system produces almost constant clashes between cabinet and legislature and is likely in any case to paralyze government rather than strengthen it.

CONTINUED ON PAGE 55

ADD A COLLAR THAT'S SLOPED AND HAND-MEASURED, TO A SUPERBLY MADE SHIRT



ADD SLEEVES THAT DRAPE SMOOTHLY OVER THE SHOULDERS AND TAPER TO THE WRISTS



ADD THE MODERN "MAN-FORMED" CONTOUR THAT CURVES TO YOUR BODY



IT ALL ADDS UP TO

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SHIRTS . . . SIZE - FIT FOR KEEPS

If you've ever marvelled at the fit, style and quality of Manhattan shirts—remember that 83 years of shirt-making add up to experience that's unbeatable. It's "knowing how" that's perfected the Manhattan *plus* features—and what a difference they make! If you've never worn Manhattan Shirts, now is the moment to discover how *much* they'll *add* to your appearance.

BUY MORE WAR BONDS . . . THEY ALL ADD UP TO VICTORY!





YO-HO-HO AND A PLATEFUL OF PANCAKES

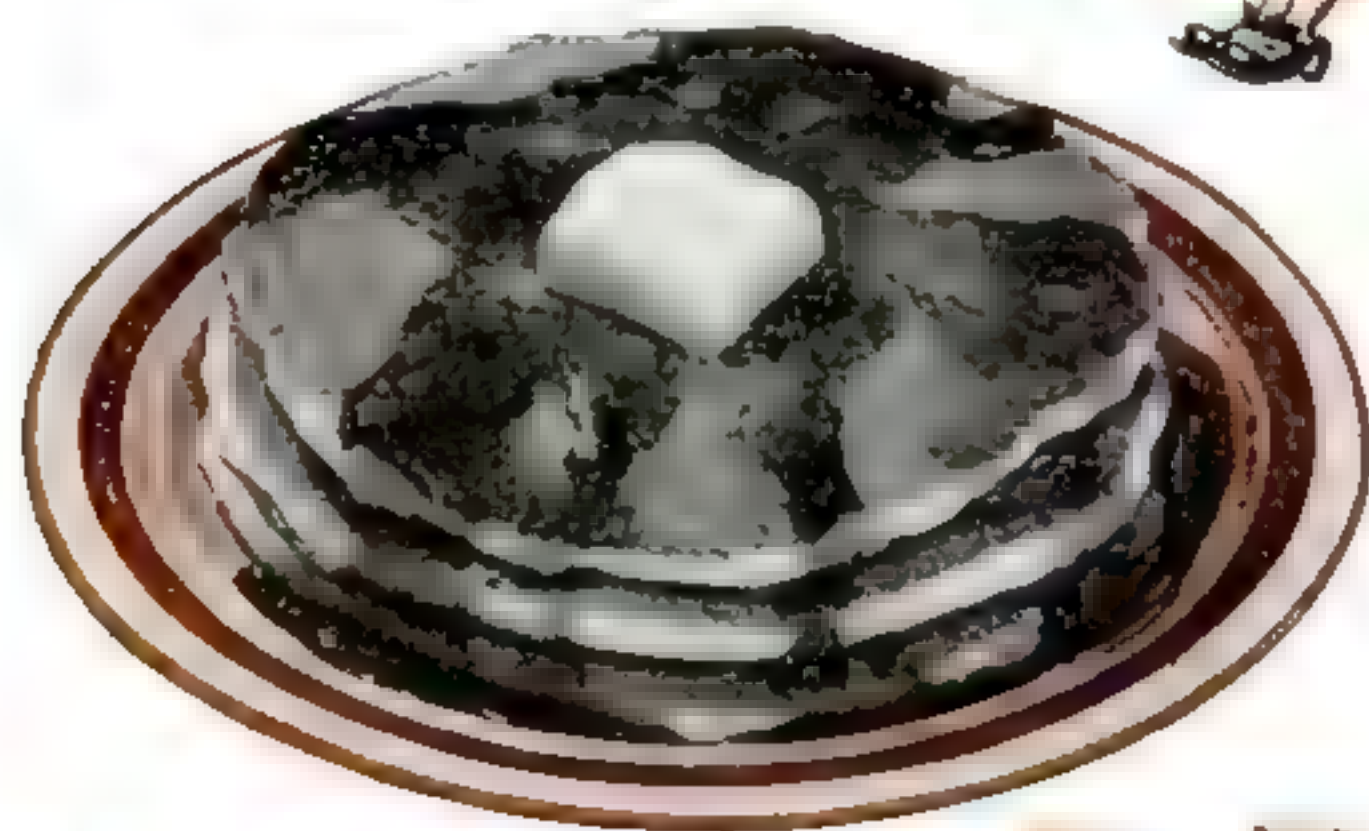
- 1 Oh, I'm Kernel Wheat... good shipmate to know
For the taste I give pancakes,
you'll chant a YO-HO.
- 2 Again you'll YO-HO,
eating pancakes each morn,
For the tang that's imparted by me,
Kernel Corn.

- 3 Another YO-HO you will happily shout
For the tenderness
I, Kernel Rice, bring about.



- 4 Ahoy there, my hearties,
YO-HO you will sing
To myself, Kernel Rye,
for my zip and my zing.

- 5 That 4-Kernel flavor
Afloat or ashore
Keeps Pillsbury's pancakes
A-tastin' like more!



PILLSBURY'S

Pancake Flour

Ready-Prepared—with or without Buckwheat

PILLSBURY'S PANCAKE FLOURS REQUIRE NO RATION POINTS!

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BRITISH PARLIAMENT SYSTEM combines legislative and executive powers, with majority party selecting prime minister. This is a majority party conference.

CRITIQUE (continued)

Mark well, I do not say that parliamentary government was the cause of Hitler's rise to power in Germany or of France's collapse in 1940. That would be a ridiculous simplification. Nor do I say that our system of constitutional government would have worked as well or any better in Germany or France.

Civilization in the United States is by no means identical with civilization in Great Britain or any other country, despite similarities in specific features. Our history, our experience, have been in many ways unique. Our form of government has been adapted to our character and circumstances. Latin-American constitutions more or less modeled on our plan have not worked in the same way or encountered similar successes. To expect a common form of government for all nations of the earth is, in my view, a fantasy. To expect that the British parliamentary system, if adopted here, would work as it does in Great Britain, or indeed accomplish here the wonders attributed to it, is in my view, also a fantasy.

DR. SMYTH: That is more gloom. You leave us stuck with our rigid Constitution which is responsible for our deadlocks, confusion, incompetency, and inefficiency.

BEARD: I want to correct your statement. When you say that our Constitution is rigid, you repeat an idea about the Constitution which was not written into the document by the framers.

In vital respects our Constitution is highly flexible. It was intended to be flexible, adapted, as John Marshall said, to the storms of the ages. It is as flexible as American intelligence and character may make it.

The Impediments of 150 years

A great deal of the rigidity ascribed to it is not in the Constitution itself. It is in the huge body of congressional and executive practices built up under it—precedents and practices not imposed on the country by the Constitution but self-imposed by politicians, sometimes for the very purpose of escaping responsibility and preventing the introduction of efficiency. Our Constitution is encrusted with the accumulated impediments of 150 years. If they were scraped off, and if we seized upon the freedom to which we are entitled under the letter and spirit of the Constitution, we could work wonders without altering a line of the document.

The end of government in the United States is not mere technical efficiency. For us the ends are not only a more perfect Union, the establishment of justice, provision for common defense and general welfare, but also—and don't forget it—the maintenance of the blessings of liberty.

Under our system, momentary efficiency, speed, or competence may be sacrificed, more or less, in the interest of mature deliberation and civil liberty; but it is long-run efficiency and competence that count in the survival of our nation. Parliamentary government puts the great issues of life, liberty, economy and the pursuit of happiness at stake in single popular elections.

DR. SMYTH: That lets me out. I should rather endure the risk of incompetence, inefficiency, and confusion than stake the great values of personal liberty on a single throw of the political dice.

MRS. SMYTH: Yet I want to ask this question, Are there not ways of getting more competence, more efficiency, more responsibility in our Government under our Constitution pretty much as it stands now?

CONTINUED ON PAGE 28



**“one thing that’s always clean
on my job...**

DIXIE CUPS

“I don’t mind the oil and grease that go with my job. But when it comes to putting my mouth where others have drunk before me, that’s different. That’s when I appreciate these fresh clean Dixie Cups. Yes sir, give me a Dixie Cup every time.”



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BUY WAR BONDS AND STAMPS



SENATORS LaFollette of Wisconsin (left) and Maloney of Connecticut have proposed Congress adopt specific and sweeping reforms to bring its procedure up to date.

CRITIQUE (continued)

BEARD You have, I think, stated very simply the supreme constitutional issue of our troubled times. I believe that we need again the kind of concentration of talents on this issue that was effected in framing the Constitution in 1787. We ought to return once more to first principles. We ought to clear away in our thought accumulated precedents and practices that hamper the establishment of competence, efficiency, and responsibility in governmental procedure.

But I do not propose to draw up for you a paper scheme for accomplishing these ends. No individual is wise enough to prescribe what is to be done. Such a prescription, like the Constitution itself, should come from the common counsel of experienced and reflective persons. So I shall merely list for you a few things which I think *might* be done. My tentative suggestions are as follows:

There are now great talents in the Senate and the House of Representatives. The organization and procedure of the two bodies should be such as to effect and compel a concentration of those talents on the needs of our society.

For this purpose numerous committees, which disperse talents and waste much time, could be abolished. Some committees could be made joint committees representing both houses, as is done in the Massachusetts Legislature. Thus double hearings could be eliminated.

In each house there could be a grand committee duly elected and put in charge of all the important legislative problems. It might have subcommittees to deal with particular types of bills, but its responsibility for submitting all measures of national significance should be clear and positively fixed in legislative practice and in popular understanding.

This grand committee should have at its command a staff of the most competent persons in the country for investigating and reporting on the legislative needs of the nation.

With a view to giving each house ample time to deliberate upon the measures proposed by the grand committee, all petty business



REPRESENTATIVES Kefauver of Tennessee (left) and Dirksen of Illinois want to make Congress efficient. Kefauver plan was subject of a Feb. 21 LIFE editorial.

CONTINUED ON PAGE 52

Number One is always worth waiting for!



Hey! Look at that wonderful Royal!

Ahh, MAGIC* Margin! What a timesaver!

Look! It's shielded by a steel top!

That Royal sure looks rugged!



Look! Concave keys!



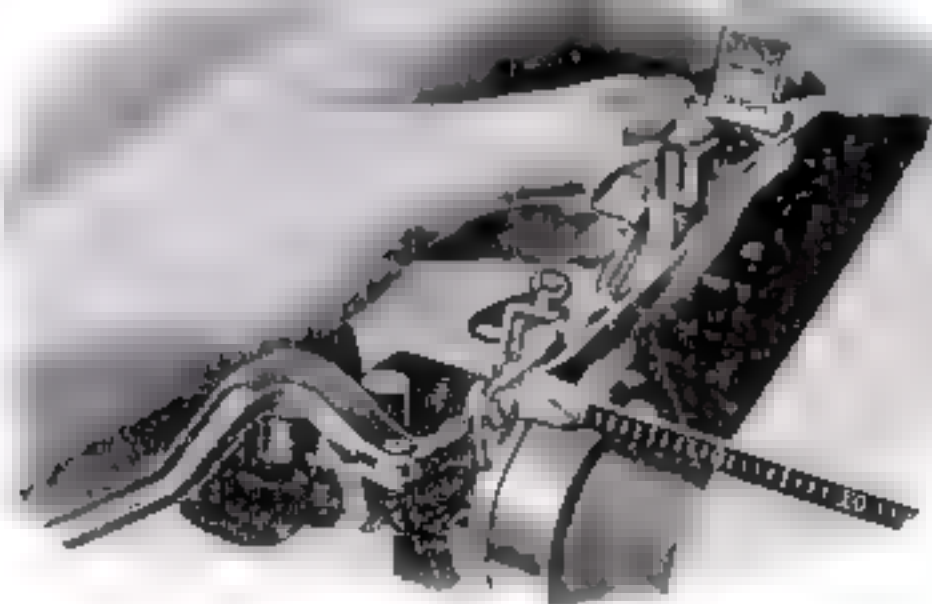
Touch Control! Greater speed, greater comfort!

Real shift freedom! No more "bobbing carriage"!

Of course, you'd like to buy new typewriters. After years of taking it on the keyboard, your present machines may be reeling. But they'll have to hold out a little longer. For war needs come first.

Royal owners can afford to wait cheerfully, because . . . they own the most durable typewriter that engineering science has produced!

TO YOU who do not own Royals, and who need new typewriters, we say this: "Be patient! We'll start producing these precision machines again, as soon as the government permits."



Royal is worth waiting for!

Take a look at the magnificent Royal above. Ever see anything to match it?

Notice how the operating mechanism is completely shielded from dust and dirt . . . how the

type bars and ribbon spools are covered with a protective steel top.

Add to this such features as MAGIC* Margin, the greatest typing timesaver ever invented. Touch Control, which permits you to adjust the key tension to match your touch. Shift Freedom, which eliminates the old-fashioned "bobbing carriage." Concave keys which are molded to fit the fingers.

Is it any wonder that Royal is famed as the "World's No. 1 Typewriter"? Any wonder that, until war halted production, the public favored Royal above any other make?

Advice to Royal Owners

Just because Royal is the sturdiest machine ever built, don't be complacent. Remember, it's up to you to keep it that way!

Call in a skilled Royal service man for a periodic Wartime Checkup. At low cost, he'll see to it that your Royal continues to "out-write" any other make. And your Royal will still be going strong long after the typewriter famine has ended!

*Trade Mark

ROYAL

World's No1 Typewriter

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*Secrets today!
Sensations tomorrow!*



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JUST YOU WAIT AND SEE !**

We are now engaged one hundred percent in the production of giant gliders, bombs, flares, and other tools of War to hasten the day of Victory; and therefore are making no peacetime products. But we are planning for peace as indicated by this advertisement, so that a high level of productive employment may be maintained after the War. This is a serious objective of our Government to which we subscribe.

Charles J. Gibson
President

Lady, we're positively itching to tell you—and the whole world—about the NEW Gibson Freez'r Shelf Refrigerators and Kookall Automatic Electric Ranges that will gladden your heart when the days of peace return.

You'll find in them many improvements you have wished for in convenience, in styling, in efficiency and in economy! Outstanding Gibson features will be still further improved. Entirely NEW features will amaze you with the automatic, almost-human way they'll save you time and trouble and money!

That's a promise.

You'll find it fulfilled to overflowing when you visit your Gibson dealer after Victory is won. That's all we can tell you *today*. But *tomorrow*—tomorrow, just you wait and see!

GIBSON REFRIGERATOR COMPANY, Greenville, Michigan
Export Department, 201 N. Wells St., Chicago, Ill.

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NEW GIBSONS

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BUY WAR BONDS
AND STAMPS TODAY!

REFRIGERATORS-RANGES
Gibson

CRITIQUE (continued)

and irrelevant airings of opinion should be rigidly excluded by rule. Congress now wastes endless hours on trivial claims against the government, special bills such as pension petitions and other private measures. Such trivial business could all be turned over to appropriate branches of the federal administration.

There are in ordinary times seldom more than eight or 10 great bills of national significance. With the multitude of minor measures out of the way, there would be ample time for full-dress debates on the great bills. By such debates the country, as well as members of Congress, could be interested in and enlightened about public business and talents dedicated to the consideration of it.

Squelch the Windbags and Snoopers

Some such program would, I believe, squelch windbags in Congress, make necessary a concentration of energies and talents, eliminate the snooping committees, standing and special, and give us a more competent, more efficient, and more responsible Congress.

There remains the question of the relations of Congress and the President; that is, making them regular, open and dignified, instead of irregular, subterranean, and often undignified, vulgar, and capricious.

A congressional legislative council could be created to conduct relations with the Executive. The council could consist of members chosen from the grand committees of the two houses, or could be otherwise constituted in such a way as to represent the strength of the parties in Congress. The council could sit continuously even between sessions of Congress. Stated days could be set aside for meetings of the council and the President. Apart from the President's formal messages to Congress, his communications with Congress would be through the council. The council would serve as a mediating agency between the Executive and the Legislature, adjusting controversies, working out co-operative measures and projects, and defining issues joined by the council and the President.

Before we begin to tinker with the system established by the Constitution, or talk about borrowing some other system from somewhere, we should have more bold, analytical, creative thought about our Government among members of the Government and the people outside.

A great deal might be done by reforming the manners of members of Congress and Presidents—their ways of conducting themselves, using their mouths, and viewing their responsibilities. I should like to see the greatest thinkers in the United States write books on the manners and morals of government.

Unfortunately, we have no truly magnificent works on government comparable to *The Federalist*, adapted to our needs. In this respect our intellectual power seems to have declined. Or has it merely been diverted to specialties such as business, private law or natural science? Can we recover it or return it to this channel?

Our troubles lie then, DR. SMYTH concluded, not so much in the rigidity of the Constitution as in our lack of political sagacity.

Next Week: Political Parties As Agencies and Motors



AUTHOR BEARD chats with Editor Seth Vining of Tryon, N. C. *Daily Bulletin*. Bamboo cane on which he is leaning is one he bought in Hangchow, China, in 1928.

Cover Girl!

But no hiding the fact that
she *eats* her milk too

A girl's got to have her reservations!

But one thing she'll broadcast—high, wide and handsome. It's *smart* to grow up on Carnation! Drinking it . . . "eating" it.

It doesn't take an expert to spot Carnation youngsters. High spirits . . . rosy cheeks . . . robust bodies . . . and strong, sound teeth tell their own story. A big help toward all this is "eating" your milk, too. "Eating" it in cooked dishes that taste simply wonderful and are packed with nourishment besides.

It works like this. No matter how you use it, Carnation is fine whole cow's milk with *all* the milk nutrients. Nothing's taken out but part of the natural water. And there's extra enrichment with "sunshine" vitamin D—through irradiation.

Then of course there's Carnation's economy and convenience. And, thanks to homogenization, there's the distributed richness of butterfat that's the very thing to make ordinary cooking taste inspired. All for one brown ration point per big tall can!

Here's a fine milk-rich recipe to start you off on this easy way to get more milk into meals. And a new, timely book of other appetizing recipes is free for the asking.

FLUFFY RICE PUDDING

Page 12, "Clever Ways with Carnation"



$\frac{1}{2}$ cup Carnation Milk mixed with
 $\frac{1}{2}$ cup water
1 cup brown or white rice, cooked
 $\frac{1}{2}$ cup sugar
 $\frac{1}{4}$ tsp. allspice
2 tps. grated orange rind
 $1\frac{1}{2}$ cups cooked, dried or canned
fruit cut up
1 egg beaten

Scald combined milk and water. Add rice, sugar, allspice, rind and fruit. Stir in beaten egg. Turn into greased baking dish. Bake in 300° F. oven 30 min. Serves 6.

FREE! "CLEVER WAYS WITH CARNATION"

... for the Duration." Your easy way to make the most of every can of Carnation to take care of the family's needs. A brand new collection of delicious, timely recipes featuring Carnation's use in the Government's 7 Basic Food Groups. For your copy address Carnation Company, Dept. L-32, Milwaukee, Wis., or Toronto, Ont., Can.

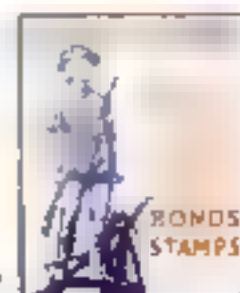


IRRADIATED
Carnation
"FROM CONTENTED COWS"




Milk

TUNE IN THE CARNATION "CONTENTED MOON"




MONDAY EVENINGS, NBC NETWORK





Chevrolet ambulances built for the U. S. Government



Mass-producing two types of Pratt & Whitney aircraft engines

Today — "All America's CHEVROLET'S DOING

America's number one job today is to step out and win this war.

That applies to all of us—to industry and agriculture—to management and labor—to every individual man and woman, regardless of whether he or she is in the armed forces or in the working forces of the nation.

All are members of the team. All have a part to play in the war effort. All have an opportunity and an obligation to serve for victory.

The Chevrolet Division of General Motors, like all other companies large and small, is proud to be a member of this all-American team and to be filling the role the government has assigned to it.

Moreover, since this organization has long enjoyed the privilege of being America's largest producer of automobiles in peacetime, it natu-

rally has been called upon to perform tasks fully commensurate with its leadership, now that America is at war.

The Chevrolet organization is performing these tasks willingly and gladly . . . performing them, not alone, but in loyal concert with the armed forces, with numerous other prime contractors and sub-contractors, with all America . . . performing them on scheduled time, as you would expect a leader to do.

And just what is Chevrolet doing on behalf of America's war effort?


It is building vast numbers of Pratt & Whitney aircraft engines for the fleets of B-24 Liberator bombers and C-47 and C-53 cargo planes which are carrying the war to our Axis enemies.

It is helping to build the *armies of 90-mm.*

★ ★ ★ **BUY MORE WAR BONDS**



Hammer men in one of four aluminum large plants operated by Chevrolet



Millions of high-explosive and armor-piercing shells



Chevrolet-built Pratt & Whitney engines power C-47 and C-53 cargo planes—*"workingest airplanes ever built"*



Chevrolet-built engines power B-24 Liberators
—"America's longest-range bombers"

Millions of pounds of aluminum forgings every month

Working for Victory, and A LEADER'S SHARE

guns which are dealing destruction to enemy tanks and planes.

It is helping to build the *multitudes of armor-piercing and high-explosive shells* which are blasting the Axis on battlefronts all over the globe.

It is helping to build the *hosts of aluminum forgings and magnesium castings* which are needed by every aircraft producer in America.

It is helping to build the *columns of military trucks* which are serving our fighting men in every part of the world.

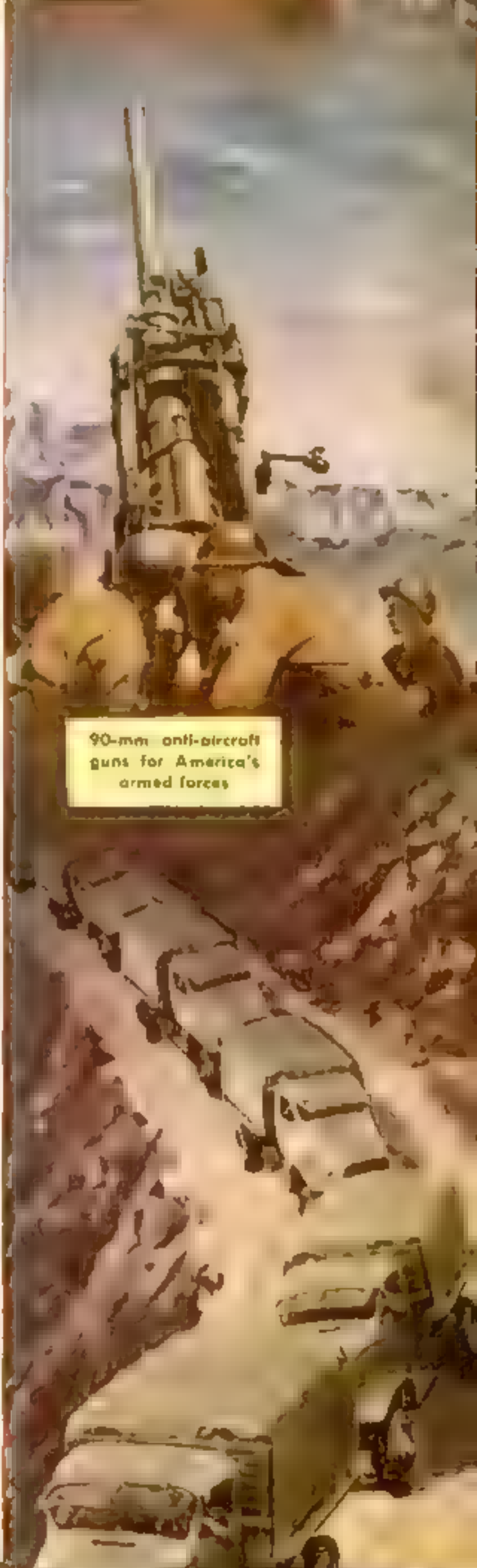
All in all, it is helping to build millions upon millions of units, not only for its own projects, but also for 123 other war producers, just as others, in turn, are serving and supplying Chevrolet.

It has not been easy to take this huge organization, with its highly skilled engineering and manufacturing personnel—its far-flung factories and assembly plants—its intricate machinery and equipment—and convert it, almost overnight, from peacetime to war production.

Any more than it is easy to plan the grand strategy of war or to lead an army into battle.

But the main point is that the job has been done—as all jobs can always be done by Americans working together—and there will be no lag and no let-up for the duration.


Today, all America's working for victory. . . . And today, too, Chevrolet is doing a leader's share.



90-mm anti-aircraft guns for America's armed forces

CHEVROLET DIVISION OF GENERAL MOTORS

• • • *SPEED THE VICTORY* ★ ★ ★



Magnesium castings for aircraft engines

Thousands upon thousands of military trucks



The New Theatre in Chestnut St. . . . from a print dated 1800*

PHILADELPHIA *Background of Tradition*



"NEW THEATRE...Saturday evening, March 23d, 1805, will be presented a celebrated play in 3 acts, called Point of Honor or

A School for Soldiers. End of the play, Mr. Jefferson will sing a comic song."...from original handbill in archives of old Philadelphia.

Like an irresistible magnet, the social life of old Philadelphia attracted the gayer spirits of the growing Colonies. Theatre handbills couched in stately phrase bore names now legendary in the annals of the stage...names that added lustre to the fame of Philadelphia as the center of Colonial culture and the arts of pleasant living. Such is the background of tradition that is Philadelphia...a heritage of hospitality that persists today in this fine whisky...Philadelphia Blend. Here is a whisky you might rightly reserve for special occasions...yet one you can afford to enjoy, regularly and often.

85.8 proof = 65% Grain Neutral Spirits

*FROM A SERIES OF HISTORIC PRINTS DESIGNED TO CELEBRATE THE 50TH ANNIVERSARY OF PHILADELPHIA BLEND . . . FAMOUS SINCE 1896



AMERICAN COCKROACH (LEFT) IS DENIZEN OF CELLARS. BROWN-BANDED (CENTER) PREFERS PARLOR, THE GERMAN INFESTS KITCHENS AND THE WOOD ROACH LIVES IN THE WOODS

HOUSEHOLD PESTS

Exterminators enlist entomology to find better ways to kill bugs

Displayed above, two and a half times larger than in life, are the five common U. S. species of cockroach. For the housewife, whose single impulse is to step on them, it is of little interest to know that they are (from left to right) the American, oriental, banded, German and wood roach. This breakdown into species, however, is an important element in the new strategy of household pest exterminators. Under the official professional title of "pest control operators," they have enlisted pure scientific research in

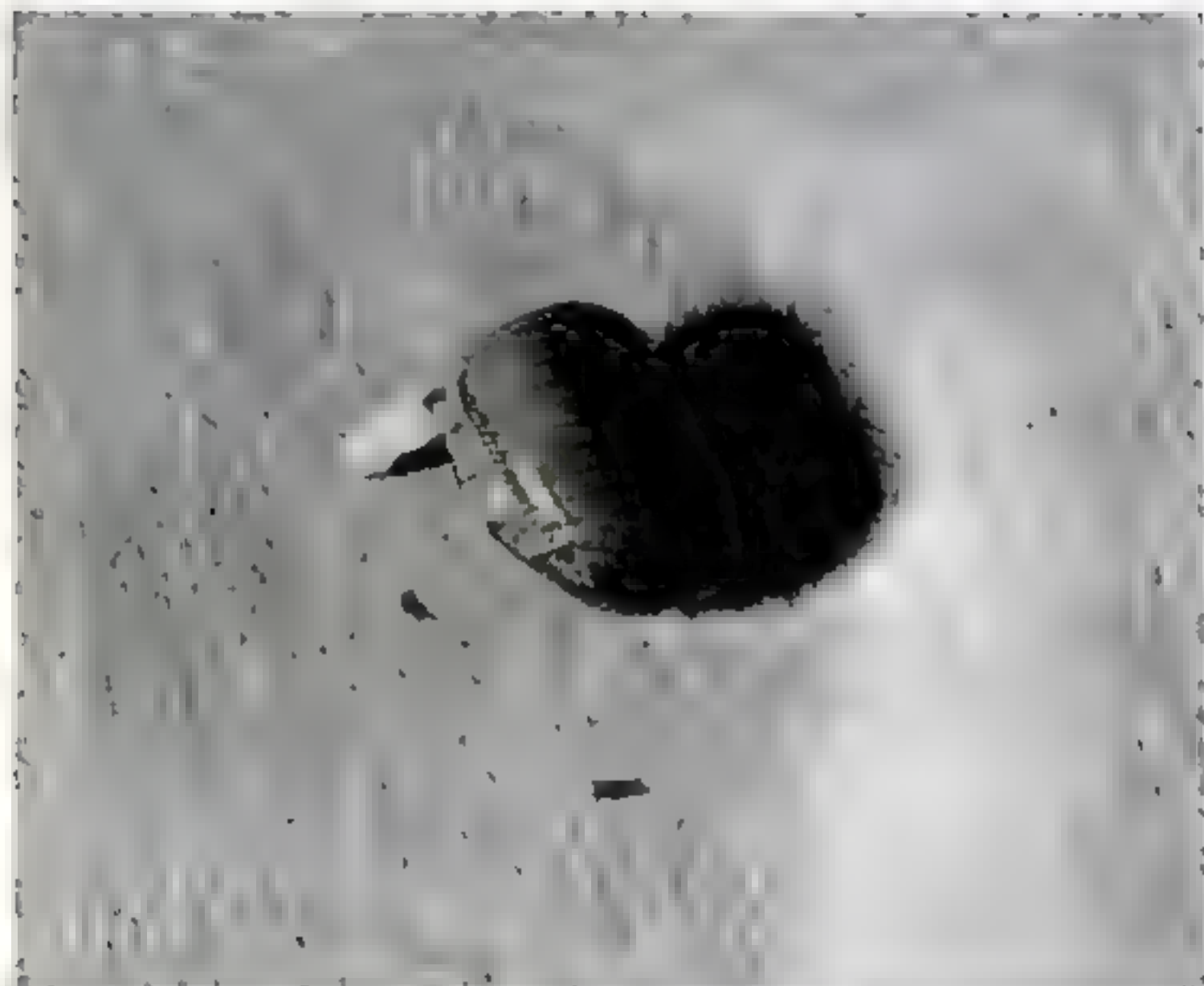
their cause and have become entomological engineers. Center of research is the laboratory at Purdue University, at Lafayette, Ind., headed by Dr. John June Davis. Here the life cycle and habits of the roaches, firebrats and silverfish, the carpet, powder-post and confused flour beetles are studied in order to find better ways of killing these bugs. This kind of study uncovers such significant and practical facts as that the American cockroach is a sucker for phosphorus paste, which his German cousin leaves untouched.



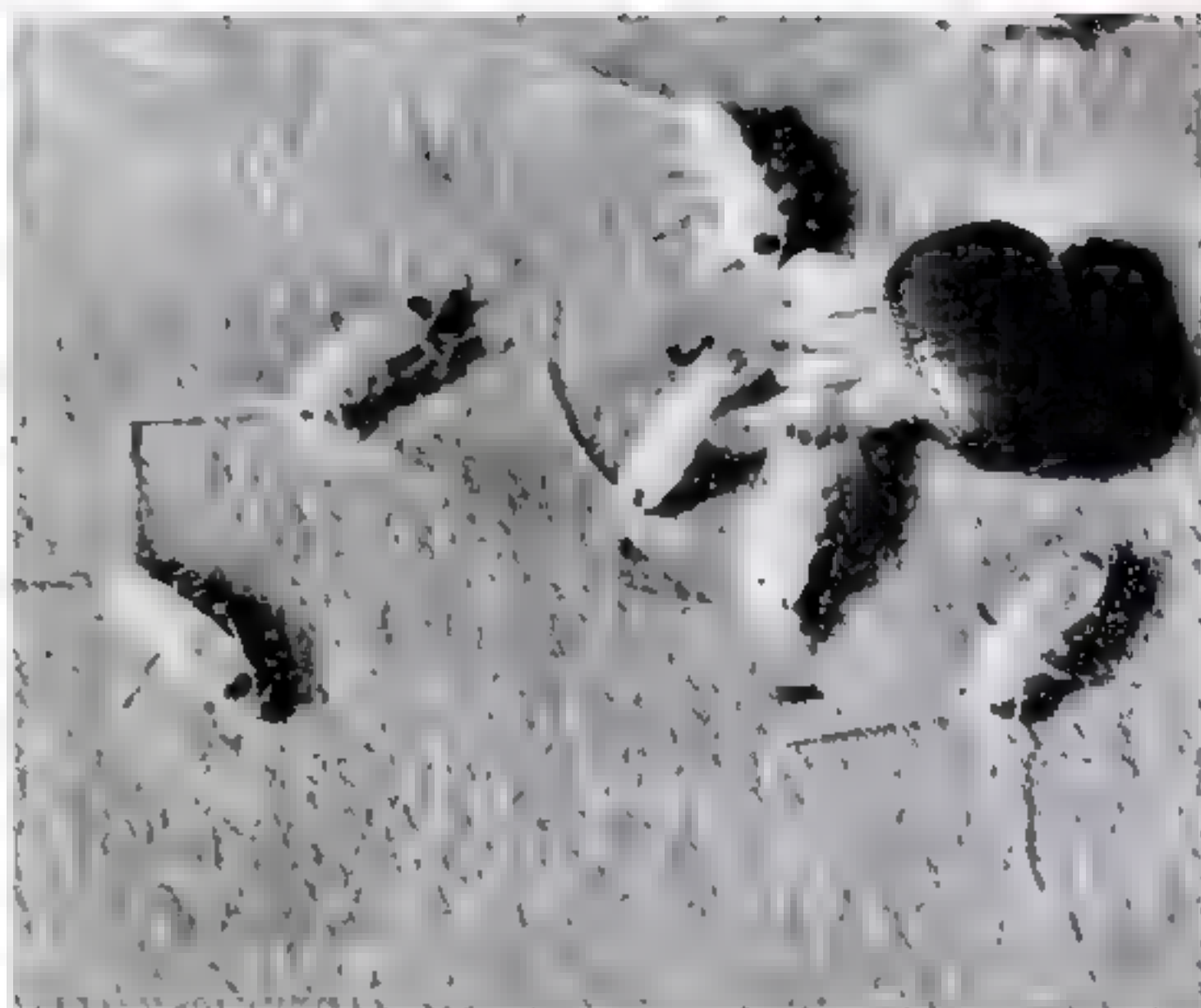
Female German roach, dead and mounted, is encumbered with a huge egg sac, from which may hatch 30 or 40 progeny. Egg sac of the American roach usually yields about a dozen.



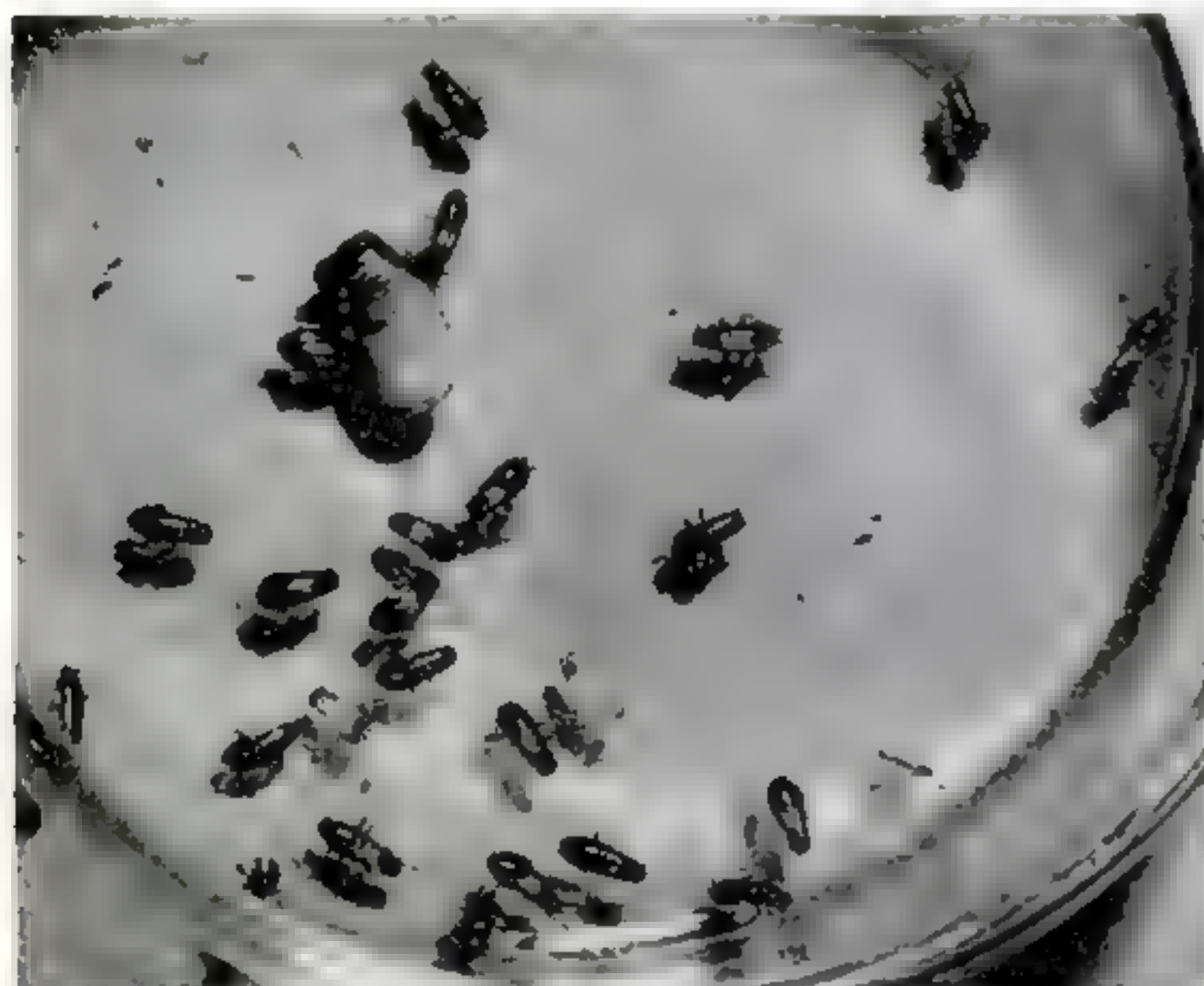
Egg sac of American roach has here been deposited in a bread crust, which will provide food for infants. Picture, taken by LIFE Photographer Fritz Goro, shows sac three times enlarged.



First offspring hatches from the egg sac of a German roach. Pressure of the growing embryos splits the edge of the capsule. Within two minutes the little roach wriggles free into the open.



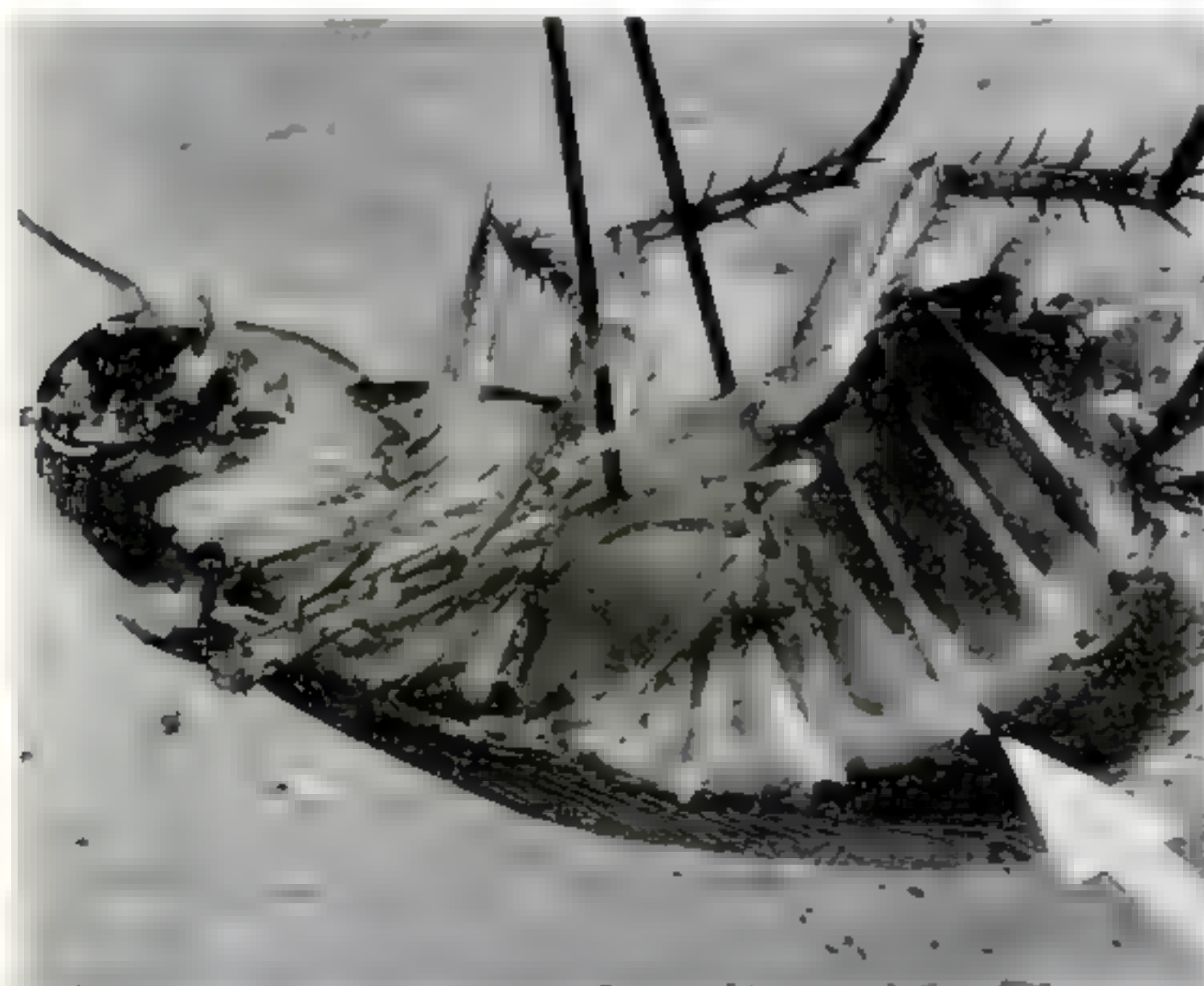
Within hour of hatching, translucent, soft-skinned roach es (here magnified five times) have straightened out their legs and antennae, are able to run for cover with surprising speed.



Day after hatching, roaches have shrunk in size and turned brown. Females produce average of four egg sacs. Incubation averages a month, but the eggs may be dormant for long periods.



Roach casts its skin or exoskeleton a dozen times in growth to maturity. It turns brown again in a few hours after each molt. Wings appear on the third molt, grow longer each time.



Roach breathes through vents (arrow) between shell plates of abdomen. Dust poisons, like pyrethrum and sodium fluoride, are picked up by roach through vents as well as by mouth.



Water bugs is another name for German roaches, because they swim naturally. When submerged, they are able to close their breathing vents, often surviving efforts to drown them.

CONTINUED ON PAGE 70



*The sun is bright
The air is sweet
'Tis Spring and time
to make things neat!*

1. Oh, Springtime brings birdies and flowers, 'tis true
But house cleaning comes in the springtime, too!



2. And you know what that means! It's bucket and mop
And washing the windows till ready to drop.



3. Unless you are smart . . . like some ladies I know
Who Windex their windows to make them just so!



4. Now my Auntie Sue says this Windex-ing trick
Is simple and easy and works mighty slick!



5. It's whisk! Spray it on . . . and presto it's dry.
Each window's as bright as the gleam in your eye!



6. The same way with mirrors and pictures and such,
With Windex they shine up in one magic touch.



"Get Drano, too. Opens clogged drains
—keeps drains open!"



7. "And while I'm about it," says smart Auntie Sue,
"I clean Grandpa's specs and my own glasses, too!"



8. "And Mat, that's my husband, says Windex is fine
For giving the auto's old windshield a shine!"



9. Yes, Windex, you'll find, serves in dozens of ways
Especially, friend, on your house-cleaning days.
Try Windex yourself—we're sure it will please:
So much for so little . . . and all with such ease!

Get brighter windows quicker with—

WINDEX

Saves time . . . saves energy . . . saves you!

GET THRIFTY BIG 20-OUNCE SIZE!

THIS SPRING make house cleaning easier . . . with Windex. No streaking, no film, when you use this non-inflammable, oil-free cleaner. And no need to even try cheap substitutes when Windex costs only a fraction of a cent per window!

Copyright 1944, The Drackett Co.



Talk Back

WHEN YOU BUY SUSPENDERS

The Patented PARIS "FREE-SWING"

Talking "back" is taking sense when you buy suspenders. For the big thing is the patented "free-swing" leather-link rotary action back that "Can't skid off your shoulders." It's an exclusive Paris feature—worth a lot more, yet costs you nothing extra—automatically adjusts to every body movement, no bind—no strain—no pull. \$1 and \$1.50 at your dealer's.

By the makers of Paris Corsets and Belts "THE SUPPORT OF A NATION"



Leather-Link Rotary Action Back

To safeguard your American right of "Freedom of Choice" ask for what you buy by brand name. Trade marks are a double protection. They enable you to reject as well as to select. When you say "I want Paris—and not a substitute," you exercise your right to choose what you use. Protect this privilege. Trust the trade marks which have stood the test of time.

PARIS
FREE-SWING SUSPENDERS

~~~~~ *Can't skid off your shoulders* ~~~~~

## Household Pests (continued)



The favorite migration paths of roaches are pipe channels through the floors. Roach colonies are frequently imported into households with deliveries from grocery stores.



Prime attraction for roaches is a kitchen which is left untidy overnight. Roaches flee light and do their foraging at night. No disease has ever been traced to roaches.



Doomed American roach has just ingested phosphorus paste, will die in a few hours. War has caused shortage of pyrethrum, powerful insecticide, harmless to humans.

CONTINUED ON PAGE 72



**FROM COAST TO COAST... GRATEFUL MULTITUDES HAIL**

# Zenith's Crusade to Lower the Cost of Hearing!

TO THE hard of hearing men, women and children of America, a new world of happiness has been opened! At a cost which, for the first time, brings a fine type of hearing aid within reach of all, the new Zenith Radionic Hearing Aid is lifting the cloud of misunderstanding and missed opportunities from the lives of those who have suffered in silence.

As this mighty Zenith crusade sweeps ahead, it is revolutionizing the cost of hearing. It is enabling men and women to be restored to full usefulness in vital wartime work. It is enabling children to be saved from failure and unhappiness... the hard of hearing, and their families and friends, to rediscover the enjoy-

ment that comes when normal sounds are heard again.

From coast to coast, America has given this crusade an enthusiastic welcome. The proof is in the deluge of orders pouring in from every part of the nation... orders which continue to exceed all anticipation. Please accept our apology if you have been unable to secure a Zenith Radionic Hearing Aid. We are making every effort to supply the demand. Our production is increasing daily, but we shall never break faith with our hard of hearing friends by sacrificing quality for speed or quantity.

You have waited years for this crusade that lowers the cost of hearing. Note carefully the advantages which

the new Zenith Radionic Hearing Aid now brings you—and we feel sure you will decide never to pay more and get less in a hearing aid. You will find it worth your while to wait a little longer, if necessary, until Zenith's precision production facilities can meet the needs of your community.

In the meantime, you are invited to attend the demonstration now going on at local optical establishments franchised by Zenith. Let your ears decide—you will not be pressed to buy. No salesman will call at your home. Send for our free descriptive booklet. The coupon below is for your convenience.

**NEW ZENITH RADIONIC HEARING AID BRINGS  
YOU ADVANTAGES UNKNOWN BEFORE**

*Another Zenith "First!"*

## ONLY ZENITH GIVES YOU:

**1** The fine precision quality that modern knowledge and engineering make possible in a hearing aid, yet priced at only \$40, complete, ready to wear. One model—no "decoys"—one price—\$40—one quality—our best. You need not pay more or accept less.

**2** Four-position Tone Control. The flick of your finger instantly adjusts it to the effective combination of low, medium and high tones for individual needs in varying surroundings, hearing deficiencies in any range. No further adjustments necessary.

**3** Special Battery-Saver Circuit Insures economy in battery consumption... results in substantial saving of battery life and battery replacement expense.

**4** Zenith Quality—Zenith Guarantee. Zenith, world's leading manufacturer of radionic products exclusively, is fortunate in having the knowledge of precision production that makes possible this quality hearing aid at a remarkably low price. Guaranteed for a full year, with unique service insurance plan.

The Zenith Radionic Hearing Aid is available through reputable optical establishments franchised by Zenith.



Accepted by American Medical Association Council on Physical Therapy

**\$40** READY TO WEAR

Complete with Radionic Tubes, Crystal Microphone, Magnetic Earphone and Batteries. One model—no "decoys"... one price—\$40... one quality—our best. Covered by a liberal guarantee.

**To Physicians:** A detailed scientific description will be sent upon request. Further technical details will appear in medical journals.

There are cases in which deficient hearing is caused by a progressive disease and any hearing aid may do harm by giving a false sense of security. Therefore, we recommend that you consult your otologist or ear doctor to make sure that your hearing deficiency is the type that can be benefited by the use of a hearing aid.

COPYRIGHT 1944, ZENITH RADIO CORP.



ZENITH RADIO CORPORATION, DEPT. LP-1  
P. O. Box 6940A, Chicago 1, Illinois

Please send me your FREE descriptive booklet on the new Zenith Radionic Hearing Aid.

Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_



## How to lift a heavy weight



Get plenty of lift from your legs—least from your back when lifting a heavy weight. Keep the line of your spine nearly vertical. *And be careful!* Don't show off. Size up the object to be lifted and get help if necessary. Straining yourself may result in serious injury—temporary or even permanent.

(Facts from National Safety Council)



Get extra "lift" with Munsingwear—Knitted, it fits and gives in action like your skin—stretches when you stretch. SKIT-Trunks shown (with absorbent, knitted Athletic Shirt to match) have a special built-in feature which gives the mild support active men like—plus the exclusive Munsingwear "STRETCHY-SEAT."\* At better stores.

## Munsingwear

The only underwear with the **STRETCHY-SEAT**

© REG. TRADE MARK

Household Pests (continued)

## THESE, TOO, CAN MAKE HOME A HELL



Firebrat (above) and cousin, the silverfish, do damage attributed to "bookworms." When crushed, both the firebrat and silverfish seem to crumble to a silvery powder.



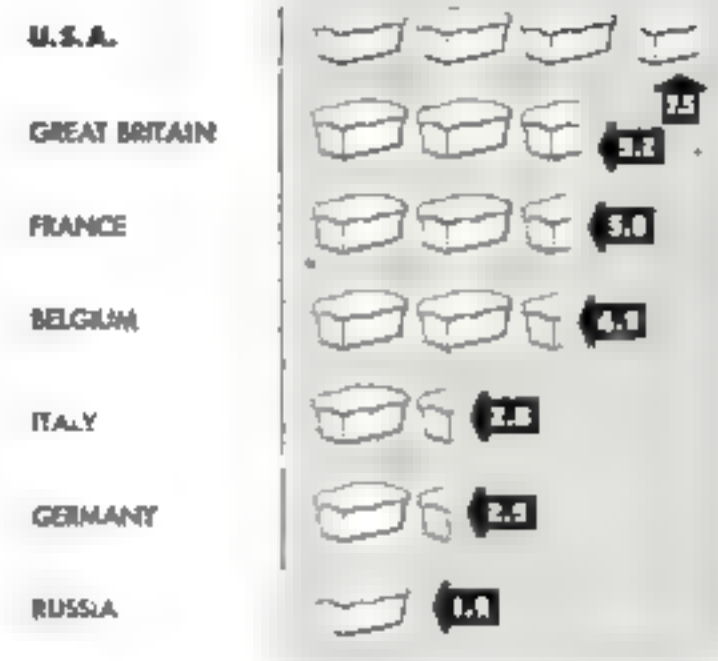
Dermestid beetles, adult and larvae, here feed on cheese. Dermestid and confused flour beetles ("confused" because term embraces several species) infest flour bins.



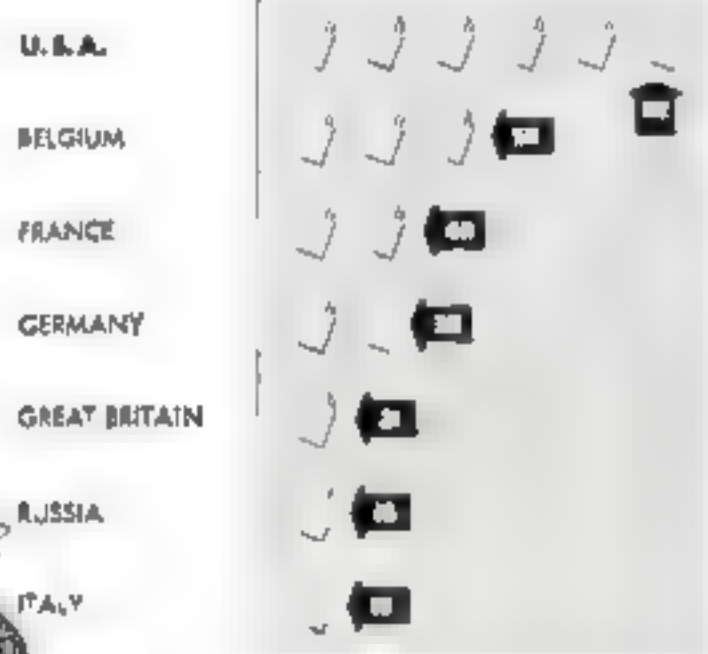
Bedbug is most loathsome of pests and though not proven a carrier of disease in the U.S., it is a menace in the tropics. Specimen, in act of biting, is gorged with blood.



# Which would a fighting man rather come home to?



1. Pounds of bread the average factory worker in each country can buy with one hour's wages. (Pre-war)

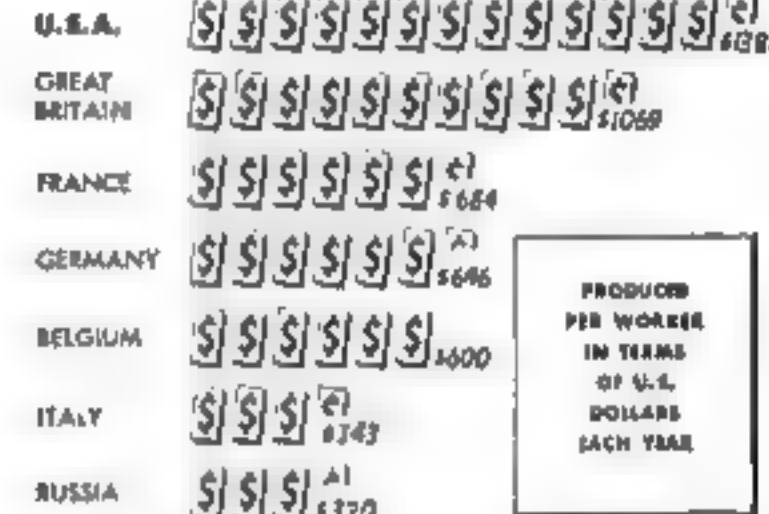


2. Number of cigarettes the average factory worker in each country can buy with one hour's wages. (Pre-war)



No figures. 1 radio to every 45.2 persons in Russia. Compare 1 for every 3.2 in the U.S., 1 to 43.4 in Italy.

3. Number of hours the average factory worker has to work to buy a similar radio. (Pre-war)



PRODUCTION PER WORKER IN TERMS OF U.S. DOLLARS EACH YEAR

MORE COMPARISONS: Sweden \$653; Japan \$353; Poland \$352; Rumania \$243; India \$200; China \$110.

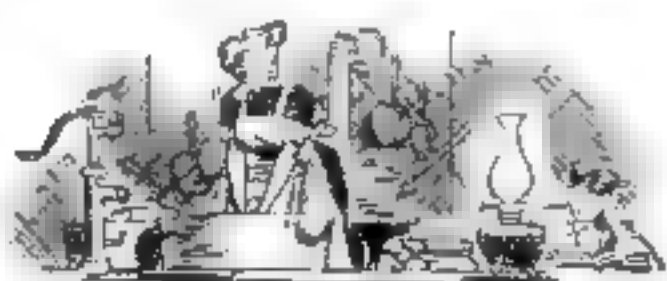
4. Comparison of real income produced annually per gainfully employed person expressed in U.S. dollars. Average for the decade 1925 to 1934—a typical period including both prosperity and depression.\*

1. The U.S. figures above look good, but by the time our fighting men are in their forties, the average American can be producing twice as much real

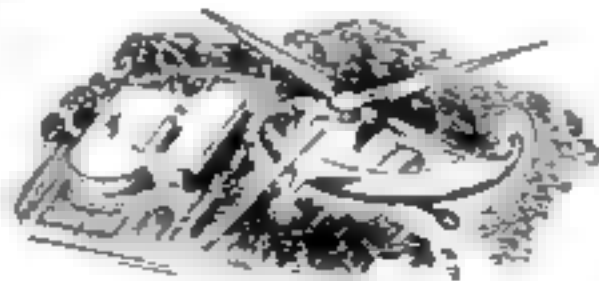
In the last 44 years we have tripled the amount of goods each gainfully employed person can produce—tripled our standard of living.



income. He can be buying twice as much bread and twice as many cigarettes with an hour's wages; working only half as long to earn a radio, a house, a hat, a vacation or anything else he needs.



2. Those are facts, not promises. Since 1900 our production per man-hour has been increasing at the rate of 2½% a year—far faster than any other nation's in the world.



3. So if we just keep our present rate of progress, we can double it again in 25 to 30 years. But we've got to maintain our Free Competitive Enterprise System to do it. For that system is based on two fundamental principles: PROFIT and COMPETITION. And whenever a nation has tampered too much with either principle its standard of living has suffered.



4. Some have practically eliminated competition by allowing private monopolies of

land and industry. Others have eliminated both profit and competition by government ownership. But in either case, the average man has taken the rap. Our system isn't perfect yet, but let's be sure that any "improvements" we consider don't hamstring the two principles that have made us great.

\*Source: "The Conditions of Economic Progress" by Colin Clark, Macmillan Co., London.

This series, sponsored by the people of Union Oil Company, is dedicated to a discussion of how and why American business functions. We hope you'll feel free to send in any suggestions or criticisms you have to offer. Write, The President, Union Oil Company, Union Oil Building, Los Angeles 14, California.

## UNION OIL COMPANY OF CALIFORNIA

America's Fifth Freedom Is Free Enterprise



Matchless music by **JEROME KERN**

Lilting lyrics by **IRA GERSHWIN**

Dazzling **TECHNICOLOR**

Enchanting **LOVE STORY**

Entrancing **DANCING**

and **15** of America's most  
Beautiful **COVER GIRLS!**



**RITA HAYWORTH**  
**GENE KELLY**



# *Cover Girls*

*in Technicolor!*

with **Lee Bowman • Phil Silvers**

**Jinx Falkenburg**

Screen Play by **VIRGINIA VAN UPP**

Directed by **CHARLES VIDOR**

**A COLUMBIA PICTURE**





**COVER GIRL** is destined to be 1944's most memorable musical...an exciting motion picture experience that you will remember for a long, long time!





# How to grow your own

Come on, everybody. Let's do it again! Last year we asked all you home gardeners to compete with us, growing peas and corn—because our country needed that extra food. And did you do it! Your letters warmed our hearts. Again this year your country needs your home-grown crops. So again we share our secrets. And the best of luck to the finest competition any company ever had!

*Note: This page gives basic instructions on peas. Free booklet, offered below, contains more details on peas, and covers corn as well.*



## 1. How much seed

4 ounces of an early variety, and 12 ounces of a late variety of peas. Under ideal conditions, this should produce about 50 "messes" for a family of four.

## 2. When to dig

As soon as you can walk in your garden without getting your feet muddy.

## 3. Preparing the soil

First spread compost (or manure). Then with spading fork, turn soil in small "bites." Don't dig too deep—8 inches is enough. Break up each spadeful as you turn it. Rake smooth.



## 4. When to plant

When soil temperature is about 45° F. Stick thermometer into ground, with bulb 3 to 4 inches below surface. Read thermometer after 10 minutes.

## 5. Making the seed bed

Line up rows with stakes and string. Dig trench about hoe width and 5 inches deep. Spread about 1 pound of a complete fertilizer in bottom of each 25-foot trench. Cover fertilizer with about 4 inches of soil.

## 6. Planting

Plant two rows of peas in partially filled trench, rows 3 inches apart. Seeds in each row about 1½ inches apart. Cover with about 1½ inches of soil. Firm down with hoe or foot. Rake lightly to keep crust from forming.



## 7. Planting chart

|                 | PLANTING NO. 1                                                                       | PLANTING NO. 2                                                                                                     | PLANTING NO. 3                                                                                                     |
|-----------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| First Planting  | One double row with early variety seed. A second double row with late maturing seed. |                                                                                                                    |                                                                                                                    |
| Second Planting |                                                                                      | When plants of first planting start to break ground, put in second planting. One double row of late maturing seed. |                                                                                                                    |
| Third Planting  |                                                                                      |                                                                                                                    | When plants of second planting start to break ground, put in third planting. One double row of late maturing seed. |

## 8. Cultivating

With sharp hoe, cultivate ground. In light soils, just scrape off weeds. Clay soil needs deeper cultivation. (Our booklet, offered in coupon, tells how to handle cutworms and aphids.)

## 9. Watering

Water only when soil is dry to about 2 inches down. Then soak well.

## 10. First crop

Should begin to be ready about 15 days after vines are in bloom. Don't try for big fat pods and full-grown peas. Gather 'em young. (That's what we do with our Green Giant Brand peas, to keep that garden-fresh flavor and to conserve their precious vitamins and minerals.)



Look for the Green Giant on the label



FREE BOOKLET on growing peas and corn—28 pages, illustrated. When to plant, types of seed, preparing soil, and combating pests.

**GREEN GIANT BRAND PEAS**  
**NIBLETS BRAND WHOLE KERNEL CORN**  
*Packed at the fleeting moment of perfect flavor*

MINNESOTA VALLEY CANNING COMPANY  
 Dept. 136, LaSalle, Minnesota

Please send me your free booklet on "The Green Giant's Secrets in Growing Peas and Corn."

Name.....  
 Address.....  
 City..... State.....





On altar rail before kneeling brides lie folded brown-and-white habits of the Carmelite Order. Each item—tunic, scapular, cloak, veil, cincture and rosary—will be blessed by prelate.

and chanting of Latin prayers, sprinkling of holy water and rhythmic swinging of incense burners. Pews are filled by visitors, guests and clergy, by friends and relatives of the brides.

## BRIDES OF CHRIST

Thirteen young women take the veil  
in ceremony at Carmelite convent

In a picturesque pageant of renunciation, 13 bridal-gowned young women last month knelt at the chapel altar in the convent of New York's Carmelite Sisters of St. Patrick's Home to be received as novices into one of strictest orders of Catholic Church. With tense faces, the *Sponsae Christi*, Brides of Christ, heard Monsignor Thomas J. McDonnell, officiating prelate, ask: "What do you desire?" In murmured unison, they replied: "I ask the mercy of God and the habit of the Blessed Virgin of Mount Carmel."

During a hushed interval that divided the ceremony dramatically into two parts, wedding dresses were exchanged for shrouding robes, hair was hidden under starched and boxed white linen. After the final benediction, the novices left the chapel to prepare for their life of poverty, chastity and obedience. In a year, heads will be shorn and white veils exchanged for black. Some three years later will come the perpetual vows and the plain gold wedding ring that symbolizes spiritual and irrevocable union with Christ.

**Part I of ceremony.** The prelate moves down line of brides to give individual blessings and lighted candles which girls will carry when they leave chapel to change into novices' habits.



**Part II of ceremony.** After processional reentry in habits, novices kneel again as clergy chant *Kyrie eleison* with responses. Later they file up to kiss the altar stone and Monsignor's hand.







### Housewife gives tip that saves meat points

Mrs. Blanche Spelious, Des Moines, Iowa, writes: "Ham or bacon will not mold in the refrigerator if wrapped in a cloth that is well moistened with vinegar." Great idea, Mrs. Spelious, especially in these days when we are shopping well in advance of weekends to ease the grocers' problems. And may we add—use MOTT'S vinegar, of course.

**SEND FOR THESE WARTIME LIVING HELPS**—The real ideas of real housewives are being sent from all over the country to Imogene Wolcott who conducts the Duffy-Mott Company's radio program, "What's Your Idea?", via Mutual network every Monday, Wednesday and Friday at 11:45 A.M. (E.W.T.). The pick of these wartime suggestions have been published in a FREE booklet that will make living easier under today's difficult conditions. To get your free copy, write Duffy-Mott Company, Inc., 370 Lexington Ave., New York 17, N. Y.

ALSO—TO BRIGHTEN WARTIME LIVING



#### SUNSWEET PRUNE JUICE

The Growers' Own Brand  
The pure juice of prunes especially cultivated by the grower members of California Prune & Apricot Growers' Association.

#### MOTT'S APPLE JELLY

The Pick of the Crop  
Fresh apples are scarce, but the full, luscious flavor of fine fruit is yours to enjoy in Mott's famous jelly.

MADE BY MOTT'S  
1842  
PRODUCE

TRADE MARK

# TOO BAD

We can't make enough Smith Bros. Cough Drops to satisfy everybody, because our output is war-reduced so please buy only as many as you really need.

Through three generations and five wars, Smith Bros. Cough Drops have given soothing relief from coughs due to colds.

Still only 5¢. A nickel checks that tickle!

## SOOTHINGLY YOURS SMITH BROS. COUGH DROPS

Black or Menthol—5¢

### Brides of Christ (continued)



Change of clothes takes place in 10-minute interval between first and second parts of ceremony. Nuns help novices to dress and adjust their intricate coifs and veils.



Religious names are given by prelate who says: "Henceforth you will be known as Sister Mary ——— of the Blessed Sacrament," inserting chosen second name.

CONTINUED ON PAGE 10





BUY WAR BONDS AND STAMPS

## How long will they live?

They're both enjoying life — one in his very first year — the other in his first year as *Granddad*. And their chances of enjoying life a long time are better than ever before!

Only 28 years ago, one baby out of every ten died before its first birthday. Today, the rate is less than one in twenty. And over the same period, the average span of human life has lengthened from about 55 to 64 years.

*This precious gift of life has come largely through your family doctor, as a result of research by the profession of which he is a part. By their skill and devotion, medical men have saved the lives of millions of Americans who, in turn, are saving America today.*

Remember this debt to your doctor — and the tremendous pressure under which he

works now. He's carrying the practice of colleagues called to war. He's crowded for time, hungry for rest. And his first duty is to those who need him most.

Be as considerate as you can. A telephone call may save a personal visit. If you call early in the day, he can better plan his schedule. Try to let him sleep at night. *And follow the instructions he gives you!*

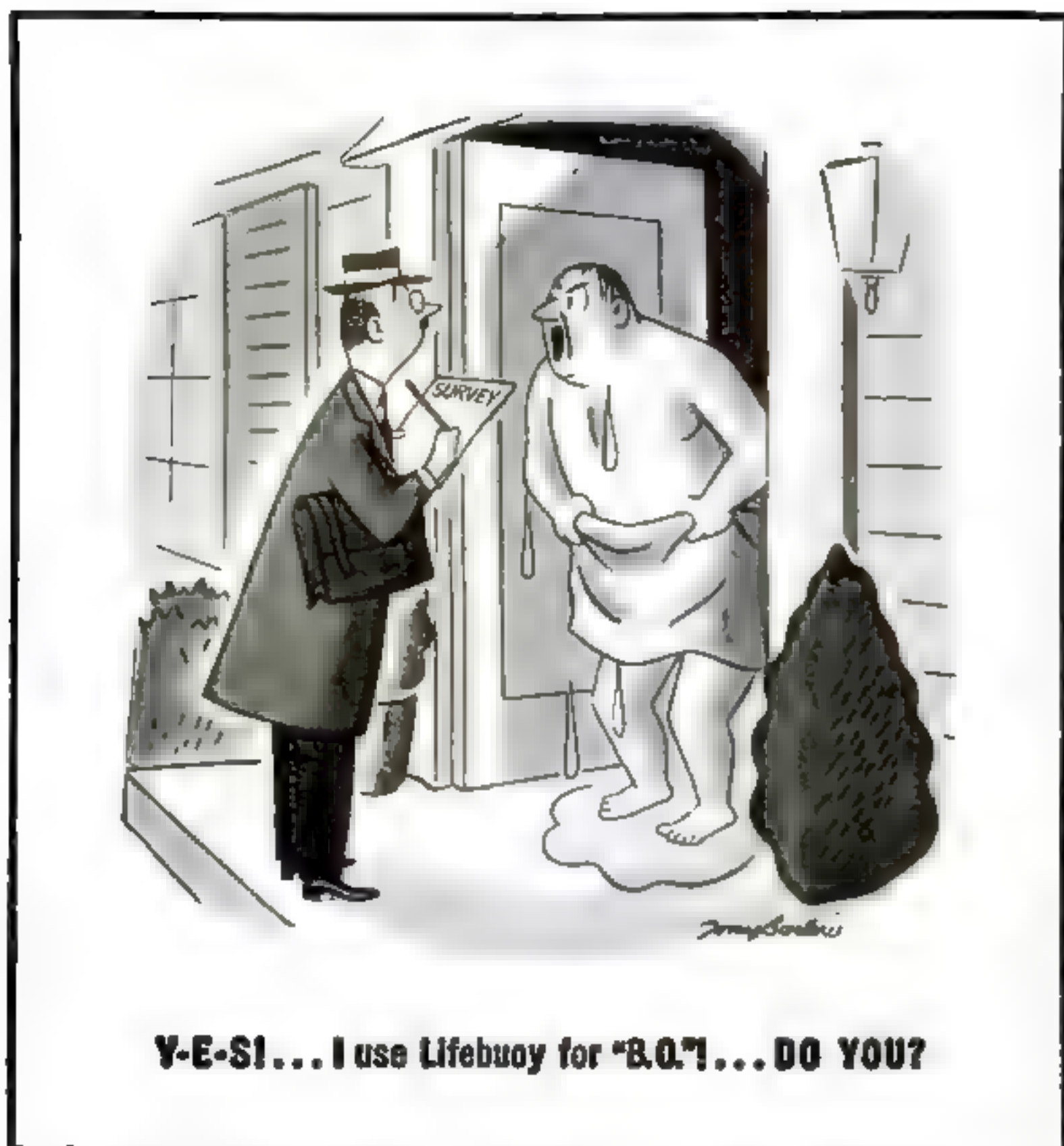
In a modest way, we are partners with the medical profession. Some measure of America's advance in health is due to better food. National Dairy Laboratories have helped improve products made of milk — nature's most nearly perfect food. Right now they are developing new products that promise still better nutrition and longer life.

*Dedicated to the wider use and better understanding of dairy products as human food . . . as a base for the development of new products and materials . . . as a source of health and enduring progress on the farms and in the towns and cities of America.*



**NATIONAL DAIRY**  
PRODUCTS CORPORATION  
AND AFFILIATED COMPANIES





**Y-E-S!... I use Lifebuoy for "B.O."... DO YOU?**

Do you expect others to tell you if you have "B.O."? That's something people just won't do. They find it much easier to keep out of your way. And remember, *anyone* can be guilty because the human body perspires constantly—summer and winter. So play safe! Use Lifebuoy in your daily bath. It is especially made to stop "B.O."

## ALL ALONE? (because your hair is gray?)

*\*Clairol banishes every trace of gray or graying hair . . . swiftly, surely, beautifully*

No one means any harm in overlooking you when exciting things are being planned. It's just that your gray hair makes your friends think you're too old to enjoy gay times any more.

And isn't that absurd! Why, you feel as young as you ever did! Your face and figure are still youthful, too! So why not do the sensible thing and add young-looking color radiance to your hair . . . "naturally, with Clairol."

**CLAIROL IS DELIGHTFUL**—Your hair luxuriates in a froth of iridescent bubbles. And quickly—almost before you know it—it's clean, silky-soft and permanently colored. Every trace of gray hair has vanished!

**CLAIROL IS DEPENDABLE**—You don't have to be afraid when you use genuine Clairol. It is made from the purest, most expensive ingredients obtainable. Each of Clairol's 23 natural-looking shades is laboratory controlled, under skilled specialists.

**CLAIROL KEEPS YOUR SECRET**—It completely avoids that brassy look of old-fashioned dyes. Clairol shades are uniform . . . assuring a perfect match. **NO OTHER PRODUCT** gives such natural-looking results.

**REFUSE SUBSTITUTES** that can't give you Clairol's beautiful results. Better Beauty Shops feature genuine Clairol. A Clairol treatment costs you no more!

**FREE** "21 Secrets for Beautiful Hair." This booklet tells you how to give your hair radiant beauty . . . scientifically. Just write:

CLAIROL, INC., DEPT. L-76, P.O. BOX 1455, STAMFORD, CONN.

\*Caution: Use only as directed on the label



COPYRIGHT 1944, CLAIROL, INC.



## Brides of Christ (continued)



Presents are given to novices by admiring and sometimes tearful relatives. Usually devotional objects, gifts also include personal items such as soap, watches, pencils.



Refreshments are served to novices and relatives after ceremony. As members of active order, novices do not fast but they must abstain from meat three times weekly.



Pictures of novices are taken in convent garden before grotto shrine of Virgin. Here, with her family, is Sister Mary Therese, formerly Mary Wilson of Germantown, Pa.





## DRAMATIC NEW HIT... STARRING TEXTRON "SHOWERS"

To dramatize your bath today, Textron offers you evening dress quality Rayon Taffeta "Showers" and matching window curtains. In a rainbow-range of 12 heavenly colors!...

They're mildew-resistant; tailored with parachute-precision. That center seam is practically invisible; that reverse hem lets water cascade off; those embroidered eyelets are rustless. And they wash and iron like a slip! Bright forecasts of the beautiful Textron creations of Tomorrow! "Showers" or Window Curtains—\$5.00 each. Also 9' x 6' "Showers" at \$7.50 and stall size, \$5. Slightly higher on the West Coast and in Canada. Available at leading stores throughout the country.

TEXTRON, INC., Empire State Building, Fifth Avenue, New York.

**TEXTRON**  
*Showers*

BUY A BOND AT YOUR FAVORITE STORE AND AUTOGRAPH A TEXTRON BOMB LABEL HEADED FOR HITLER OR HIROHITO





RICHARD RODGERS COMPOSED ITS LINGERING MELODIES



OSCAR HAMMERSTEIN II WROTE ITS EXPRESSIVE LYRICS

## "OKLAHOMA!"

### Great musical show sits for its portrait on its first birthday

On March 31 *Oklahoma!* will be one year old. A year is a brief time in which to achieve immortality, but *Oklahoma!* has already staked its claim. By now it has assumed a place beside such unforgettable musical shows as *Floradora*, *The Merry Widow* and *Show Boat*.

As a gift to this memorable piece of Americana on its first birthday LIFE commissioned the talented young American artist, Doris Lee (below), to paint its portrait. Miss Lee is an expert at putting the folkways of America on canvas. Her paintings of *Show Boat* appeared in the Nov. 27, 1939 issue of LIFE. On the opposite page and on page 84 appear reproductions of four paintings in which she has captured the sun-

ny warmth and the bubbling good spirits of *Oklahoma!*

*Oklahoma!*, however, is a good deal more than just a visual treat. Its score by Richard Rodgers and Oscar Hammerstein II (*above*) has the haunting persistence of enduring popular music. To the 380,000 people who have already seen *Oklahoma!* as well as to the countless millions who have heard its music on records, in cabarets and over the radio, its songs are already like old friends. In honor of their first anniversary LIFE reprints some of the Hammerstein lyrics. Conceived with beautiful simplicity, full of precise images and a genuine feeling for America, they blend perfectly with the lovely singing quality of Rodgers' music.

DORIS LEE'S PAINTINGS HAVE BOUNCE, SLYNESS AND GOOD HUMOR. SHE TEACHES ART AT MICHIGAN STATE COLLEGE



### THE SURREY WITH THE FRINGE ON TOP

When I take you out tonight with

Honey, here's the way it's goin'  
to be,  
You will set behind a team of  
snow white horses  
In the slickest gig you ever see!

Chorus

Chicks and ducks and geese  
better scurry  
When I take you out in the surrey  
When I take you out in the surrey  
with the fringe on top!  
Watch that fringe and see how it  
flutters  
When I drive them high steppin'  
strutters! . . .

I can see the stars gittin' blurry  
When we ride back home in the  
surrey,  
Ridin' slowly home in the surrey  
with the fringe on top.  
I can feel the day gittin' older,  
Feel a sleepy head near my  
shoulder,  
Noddin', droopin' close to my  
shoulder till it falls, kerplop! . . .

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SOLE SELLING AGENT CRAWFORD MUSIC CORP. NEW YORK CITY

### OH, WHAT A BEAUTIFUL MORNIN'

There's a bright, golden haze on  
the meadow,  
There's a bright, golden haze on  
the meadow,  
The corn is as high as an ele-  
phant's eye,  
An' it looks like it's climbin' clear  
up to the sky.

Chorus

Oh, what a beautiful mornin'  
Oh, what a beautiful day  
I got a beautiful feelin'  
Ev'rythin's goin' my way.

All the cattle are standin' like  
statues,  
All the cattle are standin' like  
statues,  
They don't turn their heads as  
they see me ride by,  
But a little brown may'rick is  
winkin' her eye.

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**"The Surrey With the Fringe On Top"** is one of loveliest Rodgers-Hammerstein songs in *Oklahoma!* Here Laurey (Joan Roberts) and Curly (Alfred Drake) sing it as they begin their honeymoon. Starting briskly, it gradually slows toward end, thus simulating pace of

actual ride. Oscar Hammerstein II, whose biggest hit up to 1943 was *Showboat*, writes warm lyrics of beautiful simplicity; his dialect has an authentic local ring. In many instances he kept close to text of Lynn Riggs's *Green Grow the Lilacs*, from which *Oklahoma!* was adapted.

**"Oh, What a Beautiful Mornin'"** is show's first number, sets time, place and mood. Coming five seconds after curtain, it successfully violates an old rule of showmanship which says musicals must open with a chorus. This and other tunes are available in a Decca album. One

number, *People Will Say We're in Love*, was one of 1943's most-played tunes. *Oklahoma!*'s *All Er Nothin'* has nothing at all to do with *All Or Nothing At All*, which Sinatra croons. Other good *Oklahoma!* songs: *Kansas City*, *Pore Jud Is Daid*, *Out of My Dreams*, *Many a New Day*.







"Out of My Dreams" is ballet staged by Agnes de Mille. Unlike most musicals, *Oklahoma!* does not try to make singers dance or dancers sing. Instead, it has ballet dancers Katharine Sergava, Marie Platt, Vladimir Kostenko double for the singing leads. Miss de Mille, a dance-

er and choreographer, made her first big hit in her own *Rodeo*. She has also written *The Parenness*, *Burgomaster's Branle*, did choreography for current Broadway hit, *One Touch of Venus*. Success of her work in *Oklahoma!* started ballet craze in popular musical shows.

Curly wins Laurey at a basket lunch in the back yard of a ranch house. People from miles around have come dressed in their Sunday best to picnic and square-dance. Here they do a version of the promenade. In checked coat is Joseph Buloff. Beside him is Celeste Holm.

They provide *Oklahoma's* comedy interest. In ruffled panties is Joan McCracken, known in the show as the Girl Who Falls Down. *Oklahoma!* opened in New York on March 31, 1943, has been playing to capacity audiences ever since, now has a road company on tour.





## OUT OF MY DREAMS

*Girls*

Out of your dreams and into his arms you long to fly  
You don't need Egyptian smellin' salts to tell you why!  
Out of your dreams and into the hush of falling shadows,  
When the mist is low and stars are breaking through  
Then out of your dreams you'll go  
Into a dream come true.

*Laurey*

Out of my dreams and into your arms  
I long to fly  
I will come as evening comes to woo a waiting sky.  
Out of my dreams and into the hush of falling shadows,  
When the mist is low and stars are breaking through  
Then out of my dreams I'll go into a dream with you.

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## SNATCHES FROM OTHER OKLAHOMA! SONGS

### KANSAS CITY

Ev'rythin's up to date in Kansas City  
They've gone about as fur as they c'n go!  
They went and built a skyscraper seven stories high  
About as high as a buildin' orta grow.

### I CAIN'T SAY NO!

I'm jist a girl who cain't say no,  
I'm in a turrible fix  
I always say "come on, le's go,"  
Jist when I orta say "nix!"  
When a person tries to kiss a girl,  
I know she orta give his face a smack,  
But as soon as someone kisses me,  
I somehow sorta wanta kiss him back!

### PORE JUD

Pore Jud is daid, A candle lights his haid!  
He's lookin' oh, so purty and so nice.  
He looks like he's asleep, It's a shame that he won't  
keep,  
But it's summer and we're runnin' out of ice.

### ALL ER NUTHIN'

With me it's all er nuthin'!  
Is it all er nuthin' with you?  
It cain't be "in between"  
It cain't be "now and then."

### OKLAHOMA

Oklahoma, where the wind comes sweepin' down the plain,  
And the wavin' wheat can sure smell sweet,  
When the wind comes right behind the rain....  
And when we say Yeow! A-yip-i-o-ee-ay!  
We're only sayin',  
"You're doin' fine, Oklahoma!"  
Oklahoma, Okay."

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"Henry! You're a different man without your  
'5 o'clock Shadow'. And isn't it a marvelous view?"  
"Uh-huh."

Speaking of views, her view of you will be greatly  
improved if you avoid "5 o'clock Shadow". A  
smooth, well groomed face is attractive!

Keep your face at its best all day long by  
shaving with genuine Gem Singleedge Blades.  
They're made to fit your Gem Razor precisely;  
their edges are super-keen, longer-lasting. And  
there's never a dud in a pack!



AVOID '5 O'CLOCK SHADOW' WITH



**GEM**  
RAZORS and BLADES

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# APPLE "HONEY" and FRESHNESS go together like He and She



It takes fine tobacco to make a fine cigarette, but it takes something else, too! It takes *freshness!*

Apple "Honey"—the nectar of luscious apples—helps keep in the natural freshness of Old Gold's fine tobacco, to which "something new has been added"—imported Latakia tobacco for richer flavor.

Try Old Golds and see why they've won a million new friends!



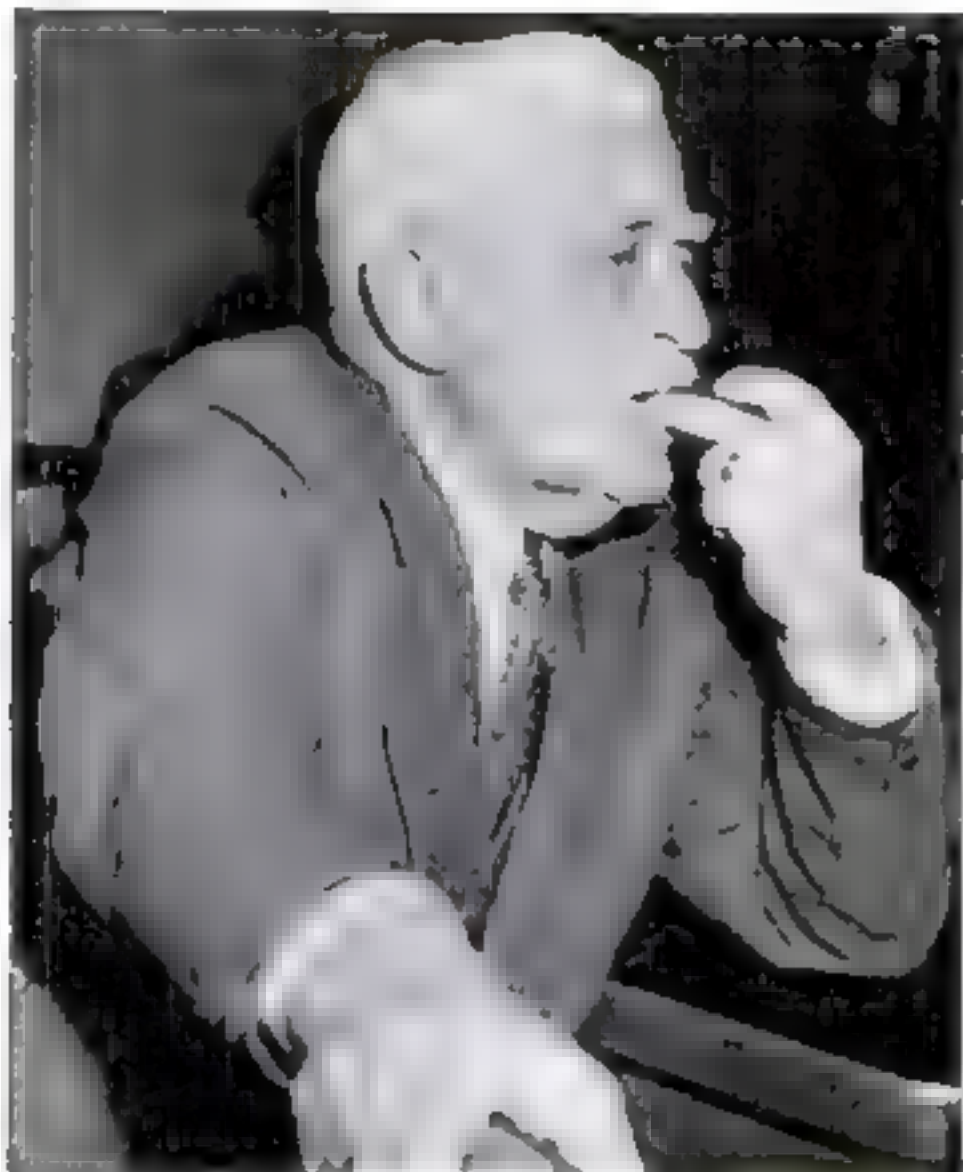
Buy more War Bonds than  
you think you can afford!

# OLD GOLD

#### LISTEN TO:

Monty Woolley and Sammy Kaye's  
Band, Wed. Evenings, CBS Network;  
also Bob Crosby and his Orchestra,  
Sun. Evenings, NBC Network.





The husband, Robert I. Miller, 67, is veteran Washington criminal lawyer. Onetime law partner of late Vice President Curtis, he had practiced in the capital for 35 years.



The wife, Marguerite Kane Miller, 42 but looking older, wed her lawyer-husband 16 years ago. They have no children. Four years ago she consulted Dr. Lind professionally.



The victim, Dr. John E. Lind, senior medical officer at St. Elizabeth's Hospital, was known as a leading alienist. He is survived by two sons, both in the Army, and a daughter.



LIFELESS BODY OF DR. LIND SPRAWLS IN THE DRIVER'S SEAT OF HIS CAR A FEW MOMENTS AFTER MIDDAY KILLING

## DEATH IN WASHINGTON

### CRIMINAL LAWYER SHOTS PSYCHIATRIST IN JEALOUSY OVER WIFE

At 1:30 p.m. Feb. 21, a dignified white-mustached man paused nervously in front of a big department store at one of Washington's busiest corners. A negro porter employed by the store saw him light a cigaret and take a few puffs. A trim convertible drew up to the curb. A plump, mink-coated woman emerged from the store and climbed in beside the driver. The man with the white mustache darted across the sidewalk, drew a revolver from his pocket and fired two shots into the car. Then, the porter told a coroner's jury, he dropped a white envelope beside his victim.

A moment later as crowds gathered, the elderly killer was identified as Robert I. Miller, veteran criminal lawyer, known in Washington courts for 35 years. The hysterical, mink-coated lady was his wife. The dead man, slumped behind the wheel with one bullet in his head and another in his chest, was Dr. John E. Lind, noted psychiatrist and a distant collateral

descendant of Abraham Lincoln. Cried Dr. Lind's daughter, when told of the shooting: "Oh, my God, no! I warned my father to stay away from that woman and pleaded with him to break off the relationship. I offered him my advice but he never took it."

To police, Miller insisted that he had shot Lind in self-defense. "He pulled a gun on me," he declared. The fatal shots were allegedly fired from Miller's own revolver. On the seat beside Lind, in an envelope and wrapped in a handkerchief bearing the initial "M" police found another pistol. Following a coroner's inquest Miller was charged with homicide and held in \$15,000 bail for the grand jury. There were rumors that when his case came to trial all district court judges might disqualify themselves on grounds that Miller was their lifelong friend. Dr. Lind, it was recalled, once remarked in a lecture that in many cases a jealousy or love killer should not be put to death.

CROWDS CONVERGE ON THE DEATH CAR (AT CURB, LEFT) BEFORE A BIG STORE AT A BUSY CAPITAL INTERSECTION



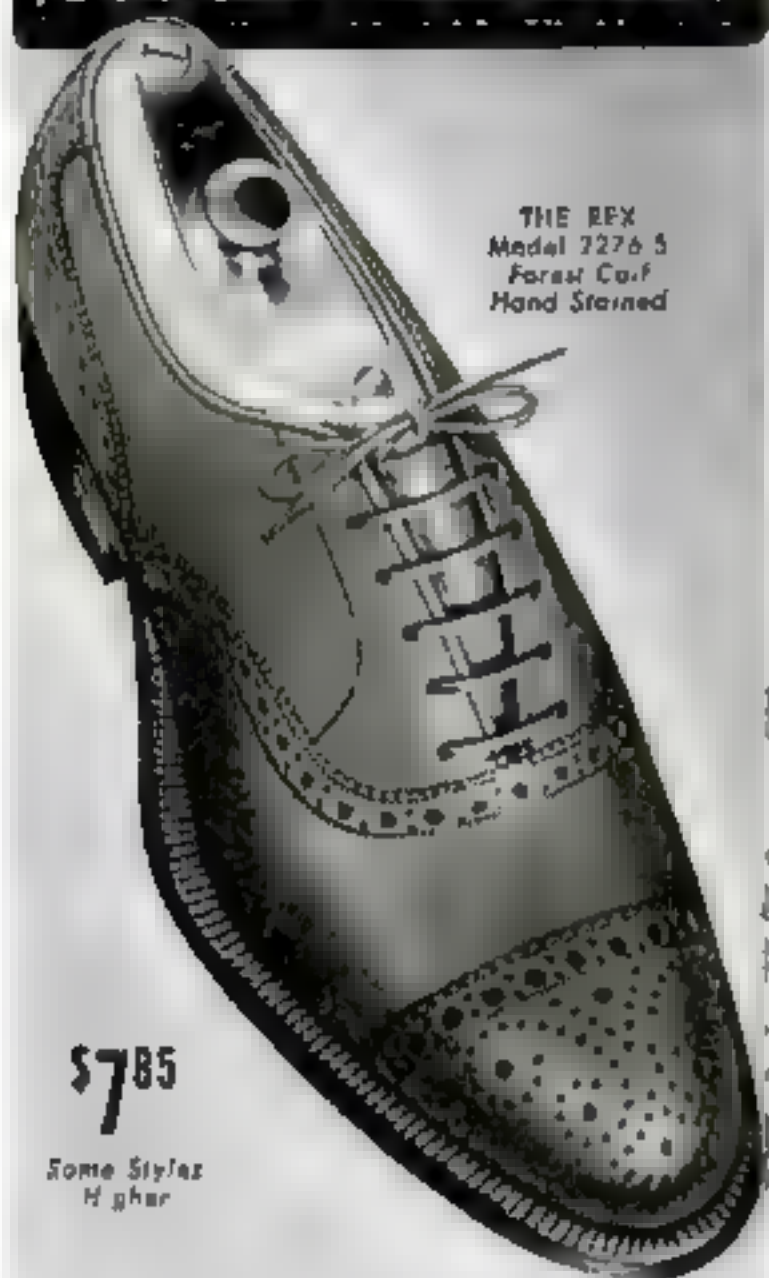
CONTINUED ON NEXT PAGE



## Washington Murder (continued)



**ONE Secret Weapon  
YOU CAN TALK ABOUT**



THE REX  
Model 2276 S  
Forest Oak  
Hand Stained

\$7.85

Some Styles  
Higher

Thousands of men in all types of Victory jobs are getting more and better work done since they switched to Porto-Peds. They're passing along the good word—how Porto-Ped's resilient air cushion pillows every step, and the exclusive Arch Stay gives needed support. For extra hours of foot comfort—see your Portage dealer, or write us for his name.

Portage Shoe Mfg. Co., Milwaukee, Wis.  
Division of Weyenberg Shoe Mfg. Co.

**CUSHIONS EVERY STEP**



**PORTO-PED**  
*Air Cushioned* SHOES  
by PORTAGE



Miller's law associates, Joseph A. McMenamin and James K. Hughes, pose with him at police headquarters. Miller has asked permission to appear before Grand Jury in his own defense. Pending indictment for murder, he is free on \$15,000 bail.



Murder gun fired two shots. Another revolver, a .32-cal. Ivor Johnson, was found in an envelope on the seat beside Lind.



Store Porter Lamar Johnson testified he saw Miller shoot Lind and then drop a white envelope into car beside victim.



The Millers kiss during a recess in the coroner's hearing. Distraught Mrs. Miller told reporters that she still loved her husband deeply. Her husband, in another interview, declared he had repeatedly warned Dr. Lind to "keep away from my wife."

One of  
the better  
things in  
Life!



\$2.50  
to  
\$7.50

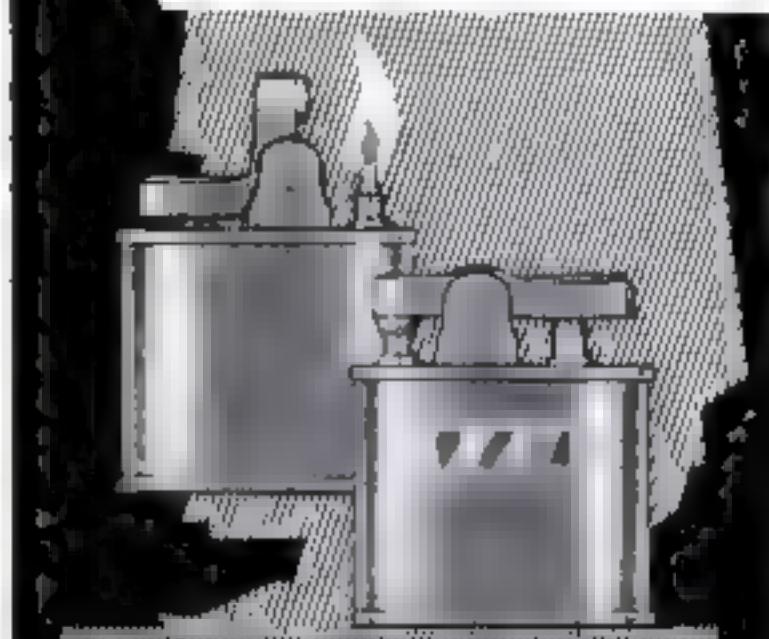
Cool, fresh smoking Mastercraft—the friendly pipe, expertly made from selected briar, pipe-processed for day after day satisfaction. At good stores everywhere. Mastercraft, New York 19, N.Y.



**PRESS...IT'S LIT**

**RELEASE...IT'S OUT**

**WORKS LIKE MAGIC!**



Made today for our armed forces only  
but no lighters can be supplied direct  
Horton, Newark 2, N. J.



**"BE GRATEFUL FOR THAT PLATEFUL!"**

## SAY THE 5 CROWNS

American chow  
Is better, right now,  
Than millions abroad have been getting,  
  
So it gives us a pain  
When people complain  
At the table our Uncle Sam's setting!







## How Great the Promise !

**T**ODAY, thousands of U. S. communities are looking to air transport as a stirring promise of new commerce and prosperity for them in the postwar future.

And the promise is great, far greater than most people can imagine—considering the many new jobs and opportunities which air transport is bound to create for our boys when they come back and for our country.

But implicit in the nation's faith in universal air transportation is the mandate that national and global expansion of services

shall be constructive, orderly, economic, and self-sustaining.

To carry out this mandate, the Airlines of the United States start with almost two billion miles of experience in commercial and military operations, and by far the greatest system of established airways in the world.

With an investment of millions behind them, they are prepared to invest many millions more in new facilities and giant fleets of faster planes.

Thus, they have the "know how" needed

for the job and the means to do it *right*.

The Airlines gave the United States world-supremacy in air transport long before the war. They are in every way equipped to hold this leadership for this nation in the promised air-commerce of the future.

*When you travel by Air make reservations early; please cancel early if plans change. When you use Air Express speed delivery by dispatching shipments as soon as they're ready. Air Transport Association, 1515 Massachusetts Ave., N. W., Washington 5, D. C.*

**THE AIRLINES OF THE UNITED STATES**  
LEADING THE WORLD IN AIR TRANSPORT





IDENTICAL BEAUTY OF THE 21-YEAR-OLD BARNES TWINS, LOIS AND LUCILLE, GETS THEM JOBS IN BROADWAY SHOWS. LOIS' ACTIONS AND REACTIONS ARE THE SAME AS LUCILLE'S

# TWINS

## ACCIDENT OF THEIR BIRTH SETS THEM APART FROM OTHER PEOPLE

**P**artly by the accident of their birth and partly because of the easy wonder they excite in their fellow men, twins are unusual people. The accident itself is not uncommon. In the U. S., it happens once in 87 births, giving the nation a twin population of almost 2,000,000 individuals. Twinning is thus just rare enough to give its offspring a special place in family, school and community life and to surround them with an extensive lore in which fact, illusion, superstition and tradition are all mixed up.

Biologically, there are two different types of twins, distinguished as the product of a single egg or of two eggs. One-egg twins are identical twins. They are invariably of the same sex and are essentially physical duplicates of each other. Strictly speaking they

are the only true twins. Two-egg or fraternal twins are no more alike or closely related than are singleton brothers and sisters and they share only the coincidence of their birthdays. They may, however, resemble each other closely and are often mistaken for identical twins.

Litters are characteristic of the lower animals for which multiple births make up for higher mortality among offspring. The logic of evolution is apparent in the fact that the human infant, which requires prolonged and devoted parental care, is normally born a singleton and therefore is more certain to get the attention it needs. Twins present a difficult medical problem in both the prenatal period and at delivery. Chiefly because over half are born prematurely, mor-

tality rates for twin infants run nearly three times higher than for singletons.

At the top of any traditional list of twin qualities is mutual devotion. Most twins have this devotion, in fact. Identifying themselves with each other, they evoke a third personality, their "pair personality." Thus reinforced, twins lead happy extroverted lives. But, perhaps because they make such happy social adjustments, few twins have sought to distinguish themselves as scientists, artists, thinkers or leaders. They tend to make their mark in the theater or movies where publicity comes easily to twins and where a pretty girl's chance of success is doubly assured if, like Lois and Lucille Barnes shown in the picture above, she can appear in exact and lovely duplicate.





**PURDUE UNIVERSITY'S DRUM MAJORETTES** are (left and right) Mary and Marjorie Vaughan. They practiced drum majoring

together in high school, won the job easily at college. Daughters of a local attorney, they have two brothers and a young-

er sister. Their being twins and first-string drum majorettes makes them valuable assets of Kappa Alpha Theta sorority.





**MARY AND MARJORIE** Vaughan make pin money, help relieve shopgirl shortage by working in local store. They wear iden-

tical clothes, but never each other's. They keep things meticulously unscrambled by sewing name tapes into everything.

## IDENTICAL VAUGHANS HAVE FUN.

**M**ary and Marjorie Vaughan of West Lafayette, Ind., who are 19 years old, enjoy the considerable fun that identical twins can have. Juniors in their home-town Purdue University, they go off to class together every morning, shouting "Hi" in unison to everybody. They get about the same marks in the same courses. They have the same and equal enthusiasms for food, sports and friends and are not above such twin practical jokes as mixing up their escorts at dances. As drum majorettes of the university band (*opposite page*) they are conspicuous campus figures.

The Vaughans have been scientifically classified as

identical twins by specialists at the University of Chicago (*see next page*). The identity which heredity gave them has been reinforced by the fact that they have lived in the same environment. Inevitably, they not only look and act but also feel alike (*right*).

Twins like the Vaughans are no help to scientists wrestling with the question: which has greater influence on a person, heredity or environment? Studies have been made, however, of identical twins brought up in different environments. Although similarities in intelligence and social attitudes have been found within such pairs, the studies have not settled the question.



**AT CHURCH**, Marjorie and Mary kneel together. The Vaughan family is Roman Catholic. The twins pray and sing in unison.



**DRIVING TOGETHER**, Mary and Marjorie shout simultaneous "Hi" to everyone they see on campus and streets of the town.



**IDENTICAL REACTIONS** at game are displayed by Mary and Marjorie. Note dissimilar reactions of fraternal-twin escorts.





**VAUGHANS' TEETH** are very much alike, having similar space between two front teeth of upper jaws and same crowding of the incisors in lower jaws. Tooth surface patterns, especially on the

incisors, are impressively similar. Though teeth are not established proof of identicalness, plaster impressions of upper and lower teeth of some twins can be interchanged with a perfect fit.

## EMBRYOLOGY OF TWINNING IS A MAJOR MYSTERY

The abnormal embryological crisis which makes a single fertilized egg elaborate into more than one human being is a major scientific mystery. What is known about the process, however, upsets popular notions. The egg does not divide into two separate eggs, as most people fancy. The single-cell egg does divide into two, four, eight and so on cells. But all of them remain a single embryological unit. Within the unit there is normally one organizing center, around which the embryo of a singleton develops. In the production of identical twins, two or more such organizing centers arise.

Just how the centers are established is not known, because the process has never been observed during its first eight days. Fraternal twins are produced by the normal simultaneous development of two separate eggs. They can be—and have been—conceived of two different fathers.

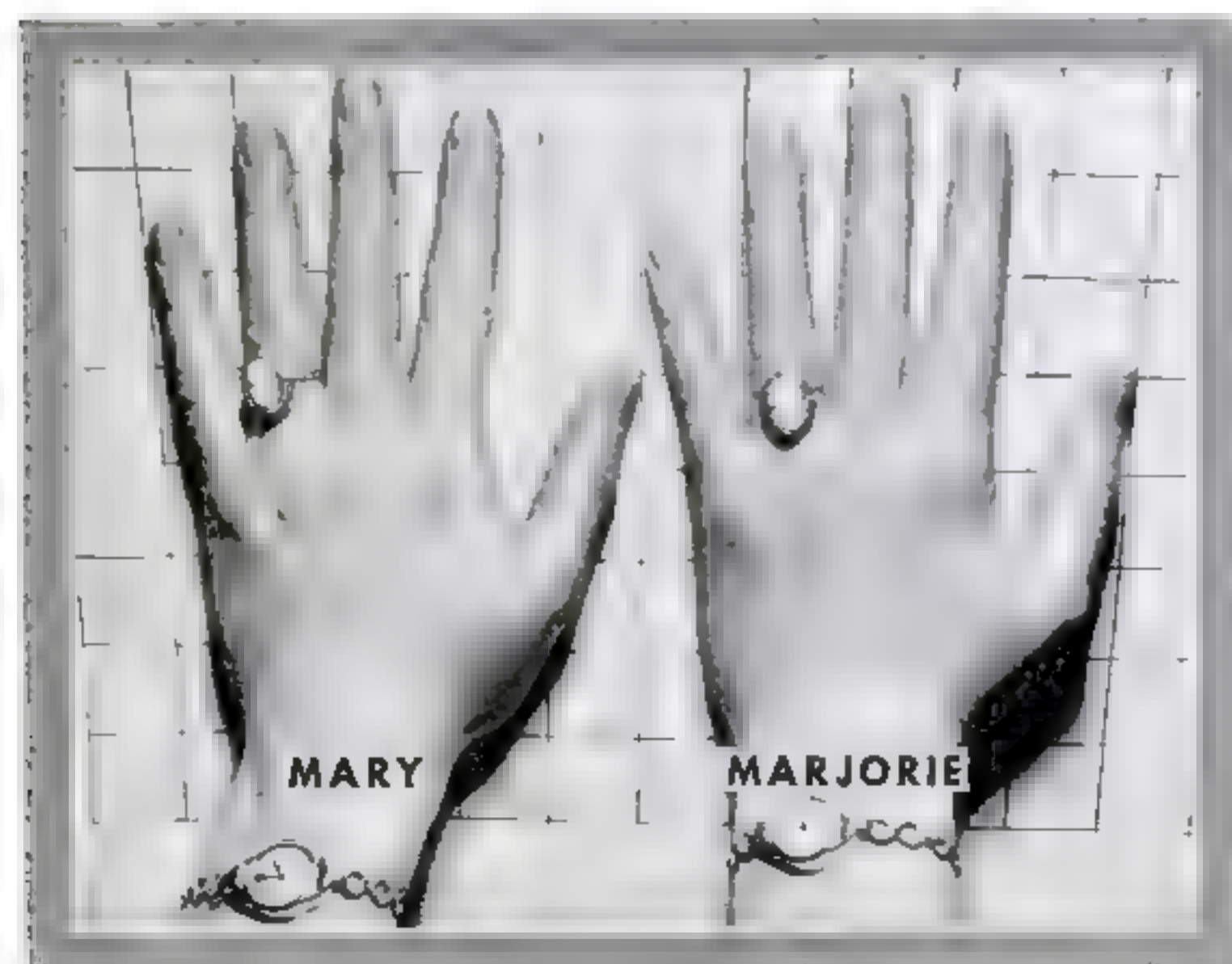
The best proof of the identicalness of twins is the presence of a single placenta at delivery. Lacking that scientific fact, geneticists can prove twins are identical only by detailed comparison feature by feature, as demonstrated here in the case of the Vaughan twins.



**EAR LOBES** of Vaughan twins have same attachment. Lobes are well-defined trait. Their comparison gives better indication of identicalness than comparison of configuration of whole ear.



**FACIAL MEASUREMENT** of Vaughan twins at University of Chicago genetic laboratory shows difference of only two millimeters from forehead to chin. Mary's chin is slightly more pointed.



**HANDS** show impressive similarity in size and proportions. Proportion is better indication than size, since one twin usually lags in embryonic development. Time on watches is not identical.



**BLOOD TYPES** of Vaughan twins are same. Red cells of each react with two test serums in same way, unaffected (above), agglutinated (below). Identical twins must have the same blood type.



MARY



MARJORIE



VAUGHAN TWINS' FINGERPRINTS have similar "tented-arch" patterns. Close examination, especially around center of print, reveals differences which distinguish one from the other. Like

blood tests, fingerprint comparison can only prove that twins are not identical. Comparison of hereditary traits proves twins are identical only when similarities far outnumber dissimilarities.

CONTINUED ON NEXT PAGE





**THE FIVE DIONNE SISTERS**—left to right: Marie, Annette, Cecile, Emile and Yvonne—will be 10 years old on May 28. To twin experts the famous sisters are especially remarkable because

they are identical, the offspring of a single egg. According to embryological principles and prenatal observation by the late Dr. Allan R. Dufos, the Dionnes probably began as sextuplets.

# SUPER-TWINS

## 87 IS THEIR RULE

**T**he Dionne quintuplets rank unquestionably among the first 10 natural wonders of the world. In medical history and probably in all human history, they are the single set of quintuplets that has survived complete and intact for more than a few hours. Their birth alone is one of the rarest events in obstetrics. On proven record are only 47 sets of quintuplets, six sextuplets. There is dubious report of septuplets. All but the Dionnes died.

The frequency of multiple human births follows an apparent statistical "rule of 87." Twin births in the U. S. and European countries happen once in 87 confinements. Triplets are born once in 87<sup>2</sup> (87x87) or 7,569 confinements, quadruplets once in 87<sup>3</sup> (87x87x87) or 658,503 and quintup-

lets once in 87<sup>4</sup> (87x87x87x87) or 57,280,701. Though the rule cannot be proven for quintuplets, U. S. statistics otherwise follow it remarkably well.

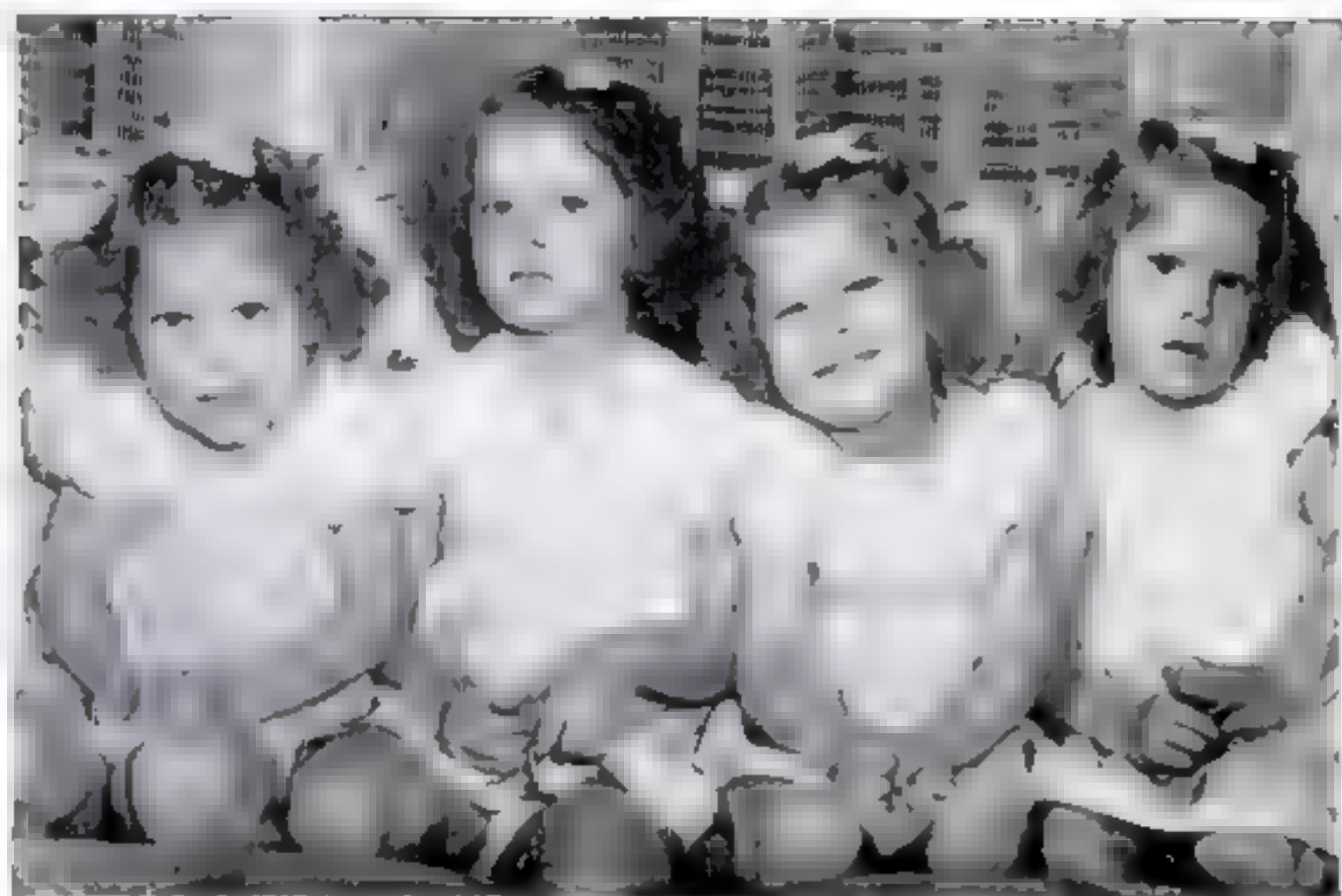
Triplets, quadruplets and quintuplets, in the language of twin experts, are called supertwins. The term is apt in every respect. Almost everything that is true of twins is true of them to second, third and fourth power, respectively. For example, the magnified curiosity attending the Dionnes' birth and infancy has already assured them a comfortable living for the remainder of their lives. The hazards are similarly magnified. Of approximately 70 sets of quadruplets born in the U. S. since 1920, only seven are now reported alive intact, six of them appearing on the opposite page.

**THE THREE QUIST SISTERS** (from left to right), Elizabeth Ann, Karen Lynn and Diane Carol, were born on April 3, 1949 in Chicago, Ill. This set of triplets has not yet been subjected to

scientific analysis, but Elizabeth Ann and Karen Lynn are thought to be identical, one-egg twins, with Diane a fraternal sister. Elizabeth Ann spent her first three weeks in incubator.







**THE BADGETT QUADRUPLTS**, Jeraldine, Joan, Jean and Janet, Galveston, Texas, were born Feb. 1, 1939. The customary alliteration in multiple names accounts for the "J" in Jeraldine.



**THE PERRICONE QUADRUPLTS**, Anthony, Bernard, Carl and Donald, of Beaumont, Texas, were born on Oct. 31, 1929. Their Beaumont neighbors call them "A," "B," "C" and "D" for short.



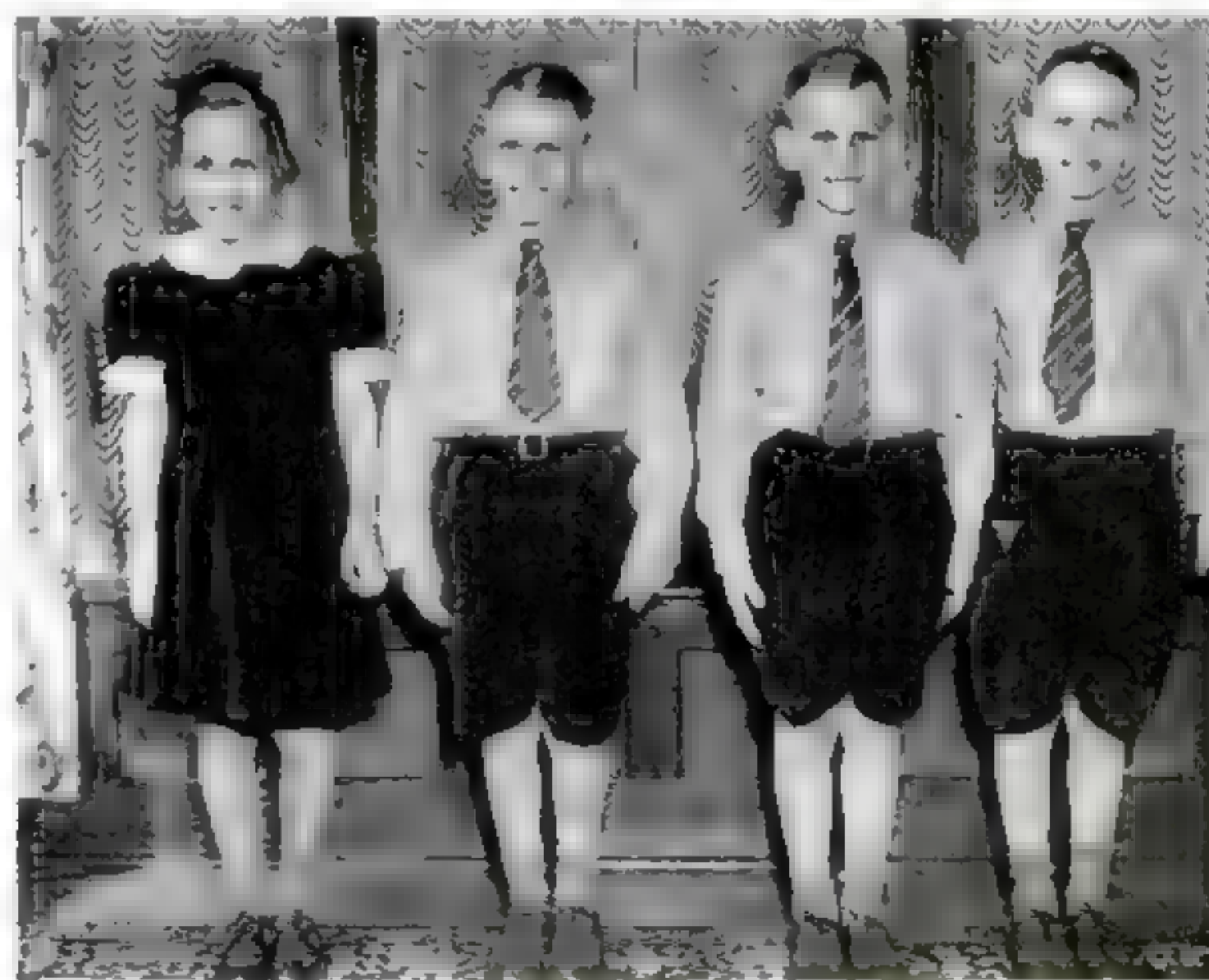
**THE MORLOK QUADRUPLTS**, Helen, Wilma, Sarah and Edna, of Lansing, Mich. were born May 19, 1930. Geneticists have diagnosed Morlok sisters as quadruplets of each other.



**THE BROWN QUADRUPLTS**, Connie, Claire, Cleo and Clayton, of Leonard, N. Dak. were born Feb. 8, 1941. Connie is fraternal member of the group. Boys may possibly be identical triplets.



**THE SCHENSE QUADRUPLTS**, Joan, Jean, Jay and James, of Hecla, S. Dak. were born Jan. 13, 1931. Dissimilarities in their builds and features suggest that they may be entirely fraternal.

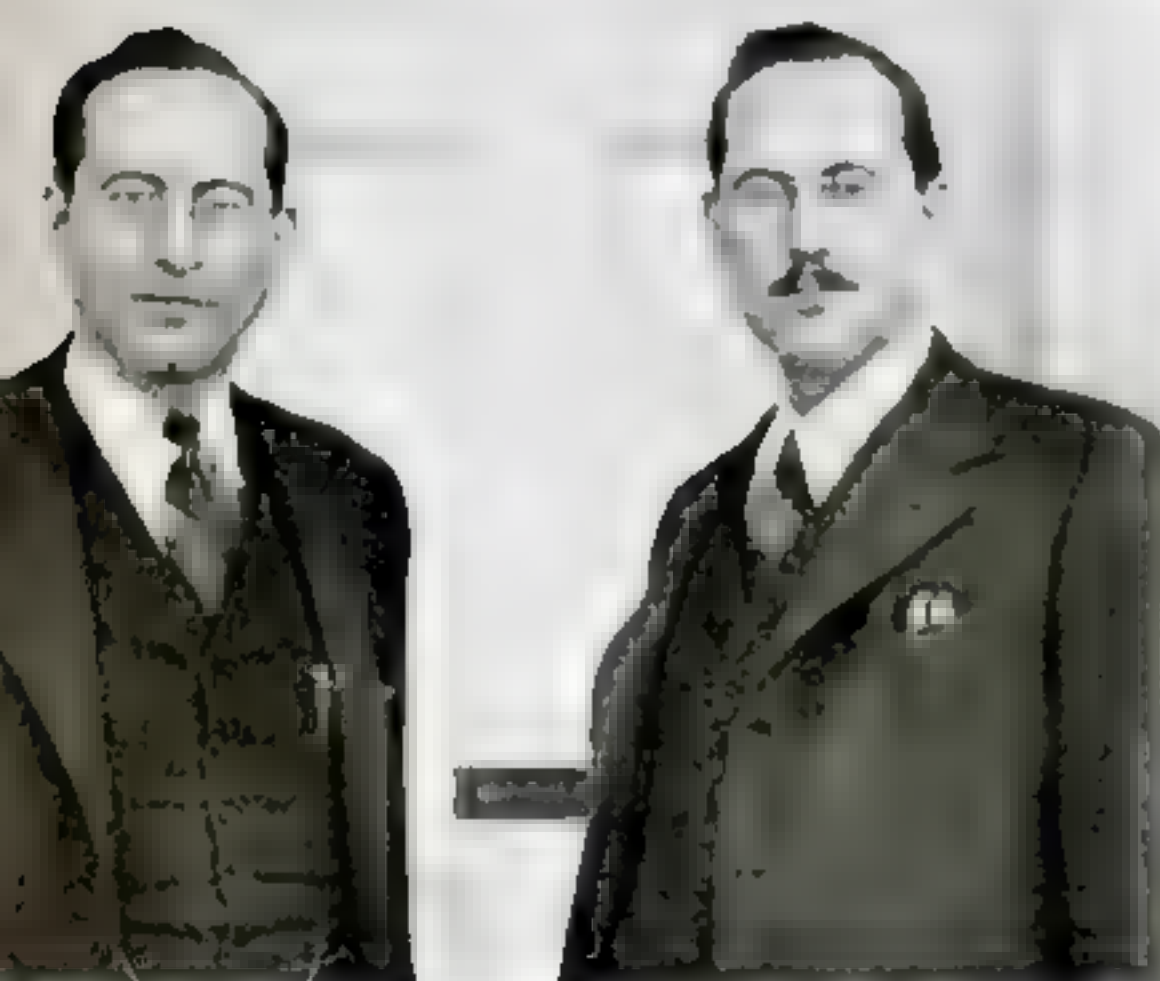


**THE KASPER QUADRUPLTS**, Frances, Frank, Felix and Ferdinand, of Passaic, N. J. were born May 2, 1936. The whole town of Passaic chipped in to help their father pay the hospital bills.





**WAYNE AND BLAINE** Rideout won middle-distance running honors in 1938-1939. Blaine was an A. A. U. mile champion



**CANDIDATE'S TWIN** Charles Hildreth grew a mustache because "people think I am Horace (left) high-baiting them."



**PAUPER AND PRINCE** Bobby and Billy Mauch had brief career in movies. The Piccards (below) are identical scientists.

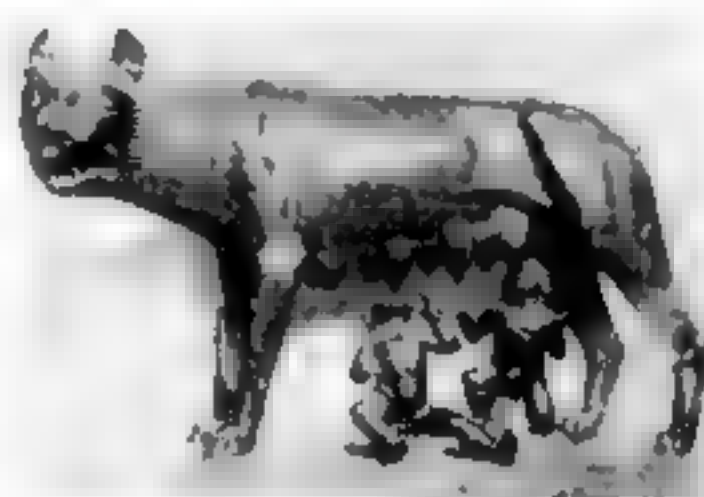


**TWINS** CONTINUED

# FAMOUS TWINS

## THEY ARE FEW AND FAR BETWEEN

**T**o find an historically important pair of twins one must go all the way back into the mists of prehistory. There exists the semi-factual legend of Romulus and Remus. Suckled by a wolf (right), they grew up to found the eternal city of Rome.



**ROME'S FOUNDERS WERE SUCKLED BY WOLF**

It is among similarly ancient classics that the great twins of literature are found. Noblest, and model for all twin pairs, are Castor and Pollux of Greek mythology. In the wars that attended the matrimonial adventures of their sister, Helen of Troy, they were parted by the death of Castor, who was mortal. Pollux, who was immortal, asked for death that he might rejoin his beloved twin. The pair is now forever united in the second-magnitude stars of the constellation Gemini. The Bible, strangely, holds the model for the reverse of this relationship in the unhappy story of Esau's jealousy for Jacob.

Beginning with the later Greek comedies, the twin idea plays a less noble role in literature as an excuse for tangles of confused identity. This theme has been labored since in the low Latin comedies of Plautus, in the *Comedy of Errors* of Shakespeare (himself according to parish records the sire of twins), and in the Broadway musical, *The Boys from Syracuse*. Confused identity is the substance of Mark Twain's *The Prince and the Pauper* and supplies the pay-off in detective stories and comic strips. Among the modern authors, Thornton Wilder, himself born a twin, is one of few

to take twins seriously. In the *Bridge of San Luis Rey*, his Esteban and Manuel regard each other with a "curious shame in regard to their resemblance" and "suffer . . . in stolid patience."

Among real twins, it is difficult to find pairs who have come to fame together. The 17th Century musicians Johann Ambrosius and Johann Christophe Bach were twins but their chief claim

to distinction is that they were father and uncle respectively of the great Johann Sebastian Bach, a singleton. Pioneers in development of the automobile were the twins F. E. and F. O. Stanley, whose steamer was supplanted by the internal combustion engine.

Most well-known contemporary twins are little more than semicelebrities whose fame fades easily. Twin acts, like that of the Mauch twins, are short-lived. Athletes like the Rideouts quickly pass from the public eye.

Well known are lone twins like Governor John W. Bricker, whose fame obscures his twin sister. Republican candidate for governor of Maine is Horace Hildreth, whose nonpolitical twin Charles has sought to minimize confusion by growing a mustache (left).

Honors as the world's most distinguished pair of twins must go to Jean and Auguste Piccard, stratosphere balloonists, who are so identical that not everyone realizes there are two of them. Among modern artists are the Albrigitts (opposite), fraternal twins whose paintings will appear in LIFE in the March 27 issue.



**TWIN ACTRESSES**, Betty and Lenore Wade (left to right) were naturals for the roles of Harriet Beecher Stowe's twin daughters in *Helen Hayes'* (center) *Harriet*. Betty has since married and Lenore's current stage twin is not even her sister.

ters in Helen Hayes' (center) *Harriet*. Betty has since married and Lenore's current stage twin is not even her sister.

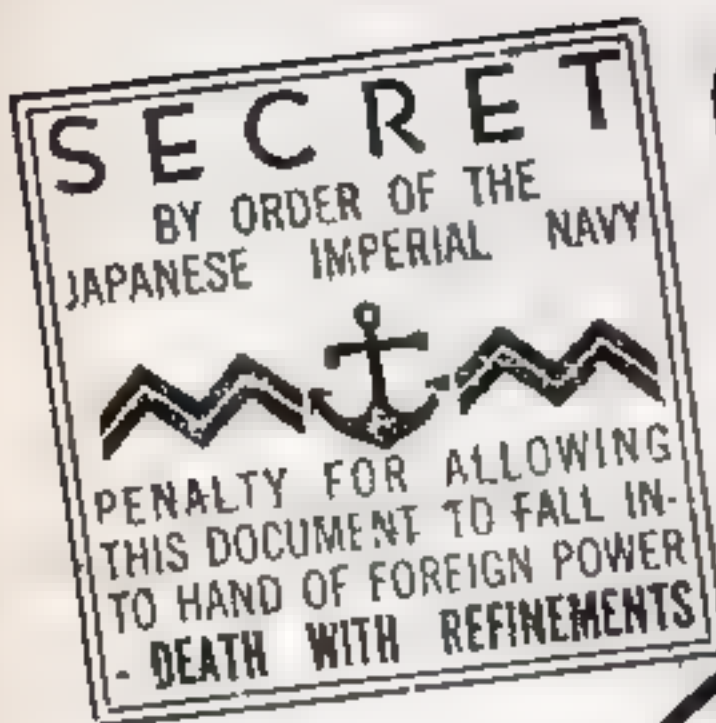




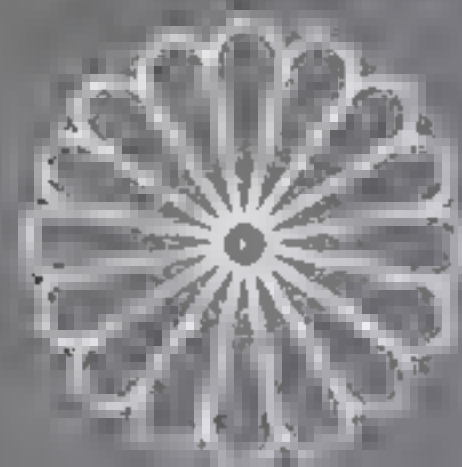
IVAN AND MALVIN ALBRIGHT PAINT

SIMILAR PICTURES IN SAME STUDIO





# GROWTH OF A NEW EMPIRE



Pearl Harbor



Quasi Tojo's map, as his rubber stamp indicates, is a Japanese military "secret" which you read at your peril. On this picture of Japan's newly built empire he has drawn with his brush various routes by which he knows Japan can be attacked. Most important is the Scoring Position which he has tracked out. If you reach in force some point in this semicircle (some 1,400 miles in radius from Tokyo) you will not be close enough 1) to invade Japan with much hope of success, 2) to bomb Japan hard and regularly as Germany is being bombed or 3) to blockade Japan effectively.

Long before Pearl Harbor, Japan set out to make attack difficult for you by seizing as much as possible of the territory

inside the Scoring Circle. Like Hitler, she got away with her first grab, So Pearl Harbor followed. Then she rapidly extended her holdings to make all the routes to Scoring Position as difficult as possible.

Route I is the Burma Road for which you now have to fight and hold your way through the jungles of northern Burma. Route II, via Singapore, requires you to recapture Malaya and Sumatra before you can even get started. Route III makes you retake the heart of the Dutch East Indies for a jumping-off place. Route IV, General MacArthur's hope, means fighting through the jungles and the Japs in the Indies and the Philippines. Route V, the Navy's favorite way, calls for a 4,000-mile

sweep across the island-studded Central Pacific. Route VI from the Aleutians, is short but as tough as Attu most of the way. Route VII from Siberia can be used only by Stalin and he has first to ask what may be Japan's biggest single arm if he decides to try it.

The Japanese planned it this way to discourage you, so that you would make peace rather than pay the full price of driving Japan out of her ill-gotten gains. The Japanese, who tell their people to count on a hundred years of intermittent warfare if necessary, have it all figured out, whatever they can save in such a temporary peace will leave them just that much stronger for the final round when they expect really to finish you off.



# YOUR WAR WITH JAPAN

## A FICTITIOUS JAP ADMIRAL GIVES YOU THE ENEMY VIEWPOINT BUT HE HASN'T GOT ALL THE ANSWERS

Your generals, your admirals, your press and your friends—all honest and well-intentioned—have made endlessly conflicting assertions about the war in the Pacific.

You have been told that Japan could be beaten last year and also could not be beaten until 1949; that island hopping was desperately bad strategy, that island skipping was an impractical dream.

LIFE has prepared the following article to try to give you the cold facts. It is an attempt to state as accurately as possible how hard it will be to beat Japan, and how we shall have to go about the beating. LIFE makes this bold attempt in the belief that the answers to these questions are already available in established fact, in experience and in the terms of the problem of your war with Japan.

To get one of the most illuminating views of your war with Japan, the person you ought to go to is the enemy. If Premier Tojo would talk to you, you could ask nothing better.

Unfortunately he would decline. That being the case, the next best opening is to undertake one of the most serious and useful forms of military reconnaissance; put yourself mentally in the place of the enemy and try to see your problems in his terms.

For that purpose grant yourself an interview with Premier Tojo's cousin, Admiral Quasi Tojo. He is a figment of your imagination but he is not a figure of fun. He is not an ignorant, ill-educated man who has been misled by propaganda. He is one of Japan's carefully trained military rulers. He is an able and intelligent barbarian and he knows what time of day it is.

Sit yourself down across from his desk. He bows slightly in his chair and begins to explain your war to you in creditable, if slightly metallic, English.

"So you would like to beat Japan?" he beams. "You have been thinking about that subject for 27 months. We have been planning for 75 years how to make it impossible."

He is a stalwart figure of 5 ft. 3 in. and looks imposing seated. Now he favors you with a slightly superior smile and continues.

"First you must understand that there are just three ways to beat us. You must invade Japan itself. Or you must destroy us by bombing. Or you must blockade us till our military machine breaks down. But you cannot do any of these things now.

"To do any of these things you must remember that Japan, like Great Britain, is a group of islands off the coast of a continent.

"Such islands can always be attacked from the mainland. The Romans did it to England. The Norsemen and the Danes did it. The Angles, the Saxons and the Jutes did it. Sometimes the Dutch and the French did it. Philip II, Napoleon and Hitler nearly did it. But nobody has ever invaded England from across the ocean.

"Can you invade Japan across the Pacific if you find it so diffi-

cult to cross 50 miles of Channel to invade the French coast? In England you have airpower to cover the invasion of the French coast. Your supply ships can shuttle across the Channel once a day. Japan is not easy to invade like North Africa. Our coast is defended nearly as well as the German-held Channel coast and it is 4,000 miles from Pearl Harbor."

The Admiral's bald brow wrinkles and he smiles. "To invade Japan you will first have to get good bases much closer to us—on the coast of Asia. You do not need to take my word for it. I notice your Admiral Nimitz says he now thinks you can only beat Japan from bases in China. The American Navy is getting very sensible.

"Do you want to bomb us by air? Our industry is not so big as Germany's but the main part of it occupies a belt 100 miles wide and over 600 miles long from Nagasaki to Tokyo. You must drop many bombs, every day, to destroy it.

"With your new aircraft carriers you can perhaps bomb us once a month. But we can repair that much damage.

"You boast of your new long-range B-29 bombers. Maybe they can bomb us, flying 2,200 miles from Attu, or 2,000 miles from Chungking. But how many of them have you? And how often can they bomb us if they have to stay in the air 16 hours on each raid and for each raid use four or six or 10 times as much gasoline as you use for a raid on Germany?

"Berlin is only 600 miles from London. Yet it is about as far as you can now send regular heavy raids. Suppose your new bombers are so good that they can do the same thing at more than twice the range. Let us be liberal. Draw a circle 1,400 miles from Tokyo and see where you will have to be to bomb us as you bomb Germany—close to us in Asia."

The Admiral laughs, shrugs his shoulders and

throws out both of his hands in a gesture of irony.

"Or you would like to try blockade? England was very close to defeat—once in 1917 and again in 1942—when German U-boats nearly cut her off from the rest of the world. As your Admiral Mahan said, the internal communications of the British Empire are the high seas. So England was not defeated when Napoleon or Hitler cut her off from the Continent.

"Maybe you think you could blockade Japan like England? Not so easy. You might cut us off from phosphates from Nauru and Ocean Islands; from cobalt, zinc and lead from Burma; from rubber from Indo-China; from bauxite, oil, nickel, tin and iron ore from Malaya and the Dutch East Indies; from hemp and chromite from the Philippines.

"These losses would be unhappy for Japan, but we have held these places for about two years. We have been able to stockpile as much as we want. For a long time we have had more rubber than we can use. Nearer home, we also have nice if not big supplies of iron ore, tin and chromium. We shall not be so badly off as you were when you were cut off two years ago from most of these things.

"To hurt Japan badly you must cut us off from Korea, Manchuria, China and Formosa. From them we get iron ore, coking coal for our blast furnaces, pig iron, tungsten, antimony, molybdenum, potash, salt, soybean cake (for fertilizer), most of our imported rice, sugar, camphor—also, very important—all our cotton and wool.

"So to blockade Japan, you must also get close to us—in Asia. And that is not so easy."

The Admiral pauses, and beams again. Then he takes out a sheet of admiralty stationery, draws a series of lines and hands it over. It looks like an incomprehensible doodle.

"That," says the Admiral, "is how England is to the coast of Europe. It is a wedge pointing into one angle. There are two widening exits opening out on each side. Now consider this."

The Admiral takes another sheet of paper and draws two fishhooks and an elongated Y. His second doodle looks more oriental.

"This is different. This is Japan and the coast of Asia. Japan itself is between here." He then leans over and makes two crossmarks on the stem of the Y. "The rest of the Y is island chains.

"One difference is that at the ends the Japanese island chain draws closer to the continent. The exits do not open wide. Another difference is that England is 600 miles long from north to south, but the main islands of Japan are 1,200 miles long and the chains at each end are 700 miles long. So Japanese islands are a chain 2,600 miles long—a watch chain right across the front of Asia.

"At the ends, the chain is not



"So you would like to beat Japan?" asks Quasi Tojo as you meet this fictitious Japanese admiral. A shrewd barbarian but no fool, he proceeds to tell you about your war with Japan as the enemy sees it.





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Admiral's doodle No. 1

### YOUR WAR WITH JAPAN (continued)

very tight. But there the islands have shelter for our fleet and provide air bases. And they are close enough so that we can come out to strike your ships suddenly—like the situation in the Mediterranean when the Italian fleet was there two years ago.

"Also, our narrow seas are more like the Mediterranean than the English Channel. The three seas inside our island chain are about as wide as the Mediterranean. Together they are about as long. Our Strait of Dover—the Strait of Tsushima, between Japan and Korea—is not 22 but 120 miles across, more like the strait between Tunis and Sicily.

"You could not blockade Italy without bases in the Mediterranean. And you cannot make a real blockade of Japan without getting bases on our Mediterranean.

"So it all comes out the same way. If you want to invade us, to bomb us or to blockade us, you must get to the same place. Tokyo is your goal, but before you can reach the goal, you first have to get into this position to score."

The Admiral pauses, glares suspiciously, unlocks a drawer of his desk and produces a copy of LIFE. He opens it to the map on page 100.

"I warn you that this is a secret document." He fishes in his drawer, takes out a rubber stamp and plunks it on the page. The stamped legend certifies that the map is now indeed a secret. Shaking his stubby finger under your nose, he warns:

"Don't make the mistake of showing this to anyone. Don't think you can because of prior publication. There are many American Army and Navy officers among LIFE's 22,000,000 readers, but there are 132,000,000 people in the United States. We intend to keep them in ignorance.

"Now, look." He dips a brush in ink and draws a semicircle. "This is your Scoring Position. It is all this land within about 1,400 miles of Tokyo. What is in it? Here is Formosa—which we occupied in 1895. Here is Shanghai and the northern coast of China—which we occupied in 1937. Here is Manchukuo—which we occupied in 1931-2. Here is Korea that we occupied in 1905.

"This is the part of Asia that would be embarrassing to us if it were in possession of our enemies. This is your Scoring Position. But we have taken possession in advance.

"We hold it all—except the part that belongs to neutral Russia. This is not a deliberate omission. We had a border incident there in 1935. Unfortunately, after several weeks of hard fighting, it was unsuccessful, but that is not so important as you might think."

The Admiral suddenly becomes affable again. "This of course is not a military secret. It is part of our official propaganda. We know it much better than you do but you will find it out sooner or later. We hope the sooner you find it out, the sooner you will get discouraged—and let us keep what we have won without any more foolish fighting.

CONTINUED ON PAGE 101

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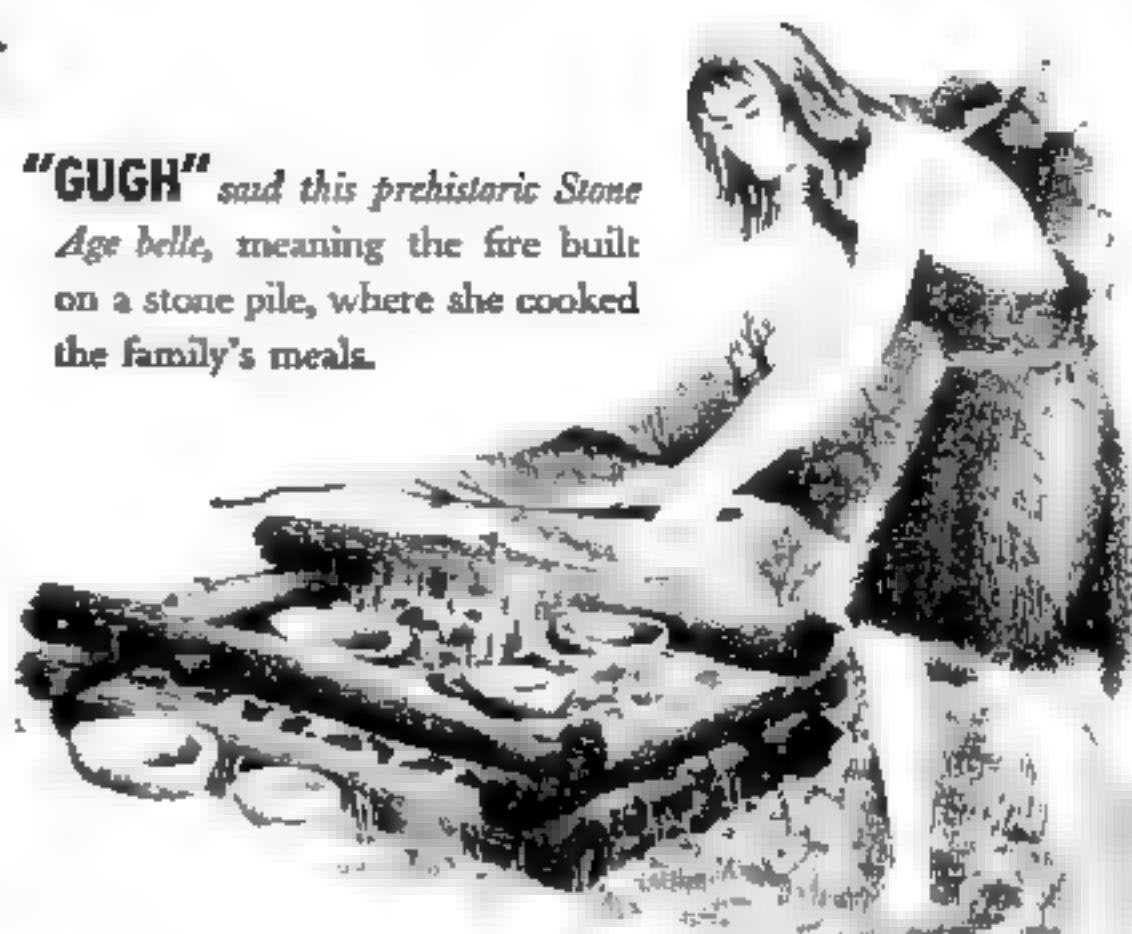
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# COOK'S-EYE VIEWS



**"KAPUAHI"**  
said Queen Liliuokalani, mean-  
ing the fire where a pig is  
roasted for a Hawaiian feast.

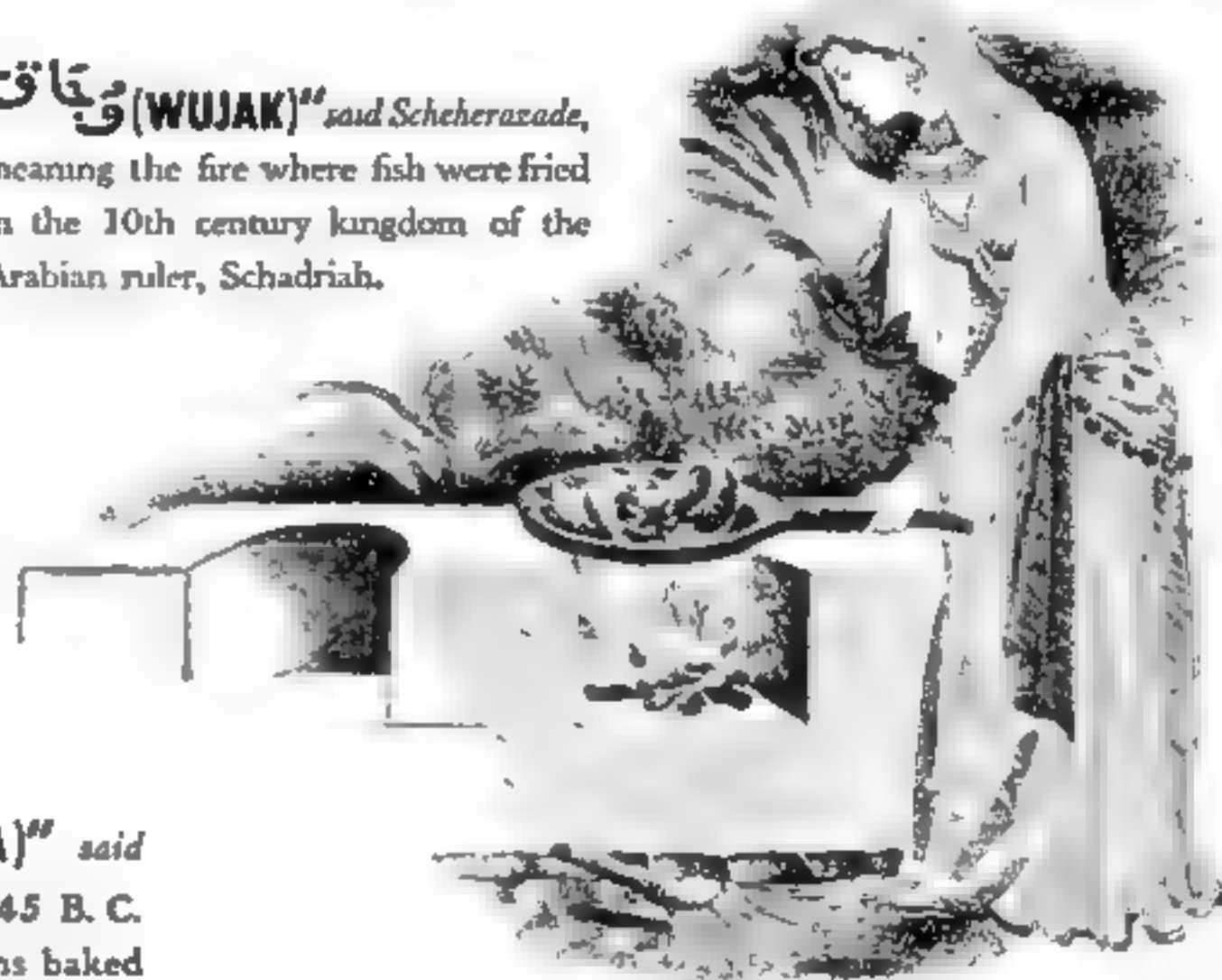


**"GUGH"** said this prehistoric Stone  
Age belle, meaning the fire built  
on a stone pile, where she cooked  
the family's meals.



**"م'غا" (M'GA)"** said  
Cleopatra, meaning her 45 B. C.  
oven, where slave maidens baked  
bread for the ancient Egyptians.

**"وفاق" (WUJAK)"** said Scheherazade,  
meaning the fire where fish were fried  
in the 10th century kingdom of the  
Arabian ruler, Schadriah.



**"HEARTH"**  
said Betsy Ross,  
meaning the  
American Colo-  
nial kitchen fire-  
place, which ser-  
ved for cooking,  
baking and heat-  
ing in Revolu-  
tionary days

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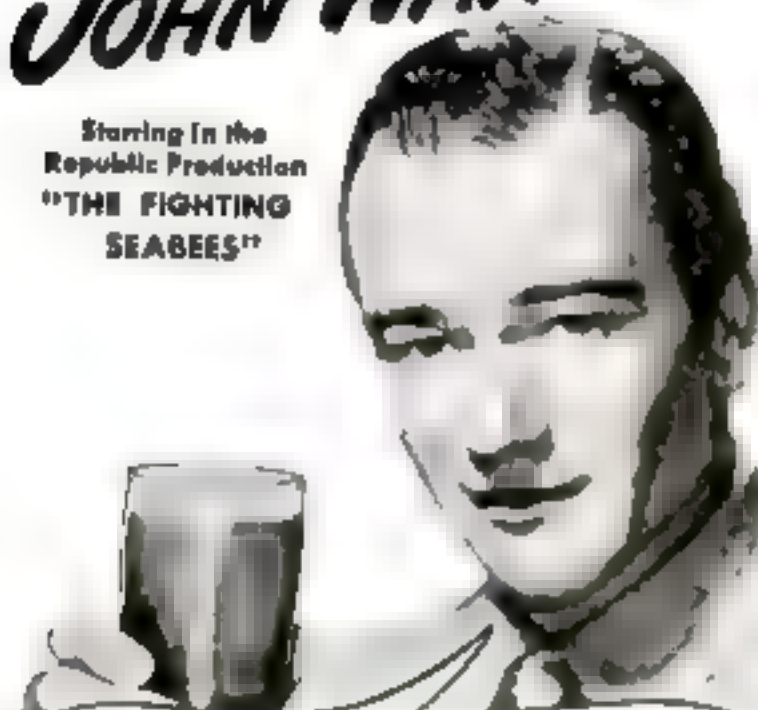
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Admiral's doodle No. 2

### YOUR WAR WITH JAPAN (continued)

"You will have much fighting when you get to your Scoring Position. But first you will have to fight to get there, because we built an outer defense zone—like this."

The Admiral again dips his brush and begins to draw arrows from the outer rim of Japan's conquests to the scoring semicircle.

"See," he nods cheerfully. "I am very obliging. I will do your planning for you. The first half of your war with us is to break through our outer defenses. There are about seven general routes you can take—with variations. You can see them on the map. I will just point out the difficulties.

"Here is Route I, the Burma Road. Very simple. All you have to do is drive us out of north Burma and build the Ledo Road across from northeast India to Myitkyina. From there we have already built a supply road from Bhamo to the Burma Road. Of course you have to fight and build over high mountains, across big rivers, through miserable jungles. Takes quite a little time.

"Perhaps you find it more convenient to take back the whole of Burma? Of course it takes a little longer. From May through October is heavy monsoon, as much rain in six months as maybe you have in three years in U. S. So you have six months a year to fight—now only two months until monsoon starts. And Mountbatten has not yet got started.

"Maybe you reopen Burma Road next year? Or year after? Fine. Chiang Kai-shek needs supplies very bad. Burma Road will keep him alive. But Burma Road will not bring you to Scoring Position. Never did it carry much more than 15,000 tons of freight a month—enough supplies, the way you fight, for one division. You will make it carry more freight. Twice as much? Enough for a nice little police force? But not enough to fight Japan's 100 divisions.

"So maybe you like Route II. First you take Andaman and Nicobar Islands—a little archipelago like Solomon Islands. After that you can land in Malaya and Sumatra. Together they are a little bigger than Central America, also with nice jungles. Here is more monsoon. Quite a little job to clean them up but necessary. Before you take Singapore you can bomb it and our ships in South China Sea. Most uncomfortable for us.

"But you cannot begin hopping up the coast of Asia till Singapore falls. Maybe Singapore in 1946 or 1947? Maybe South China in 1949? Maybe Tokyo in 1951 by fast travel?

"Or you take Route III through Dutch East Indies. You capture Java and other islands, then Borneo. This cuts us off from Dutch East Indies and also from Malaya because you can destroy our ships sailing to Singapore.

"Unfortunately here also is the monsoon and only six months a year to fight in the jungles. Can you take Borneo in 1946? Will you reach Tokyo in 1949 or 1950?



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CONTINUED ON PAGE 116





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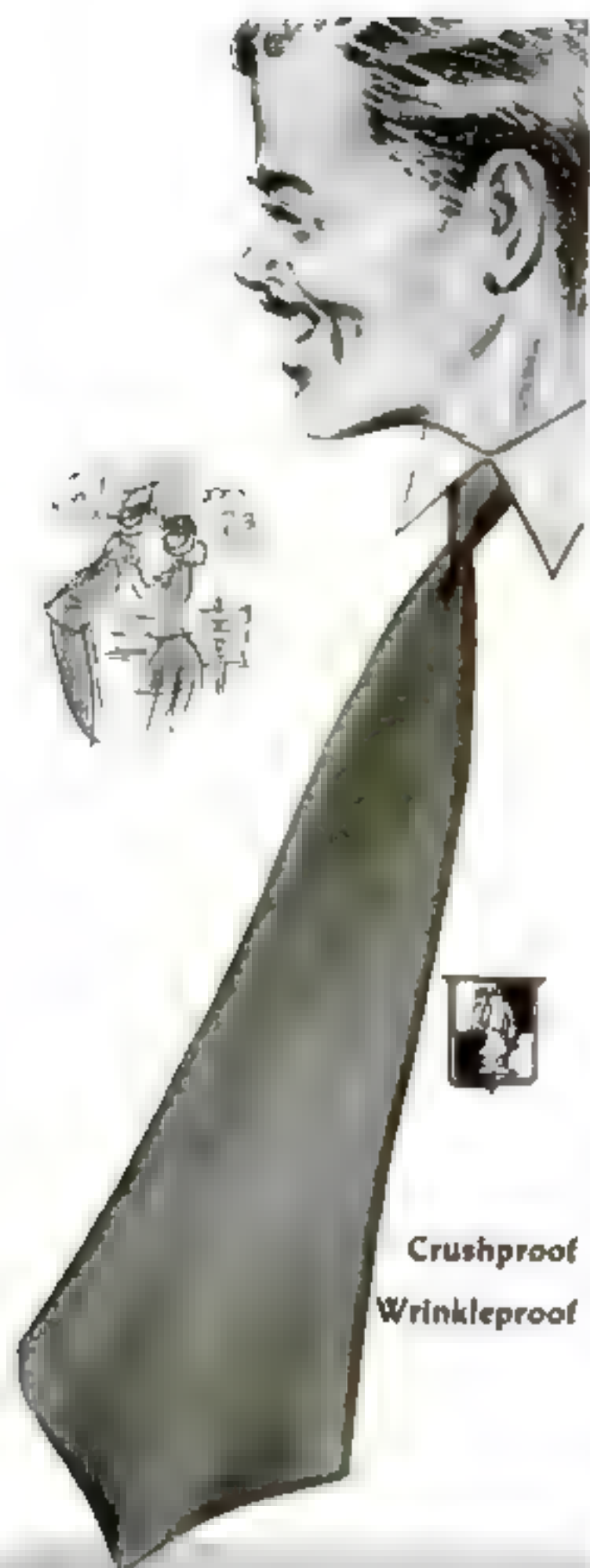
Angela "Sac-O-Sugah"

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"Or you take Route IV so that General MacArthur can reconquer the Philippines. Perhaps you go around one end of New Guinea or both. New Guinea is 1,500 miles long, then 1,500 miles more across the other islands to Manila. If you hop 300 miles each time, and take two or three months to clean up the average Japanese garrison, you will get to Manila by great optimism in two or three years. Tokyo is still far off. For distances are very big. Perhaps you can draw a map of United States across the Dutch East Indies? Very instructive. A long way to go, and on the map several more Solomon Islands, New Britains, New Guineas to capture.

"Your Navy prefers Route V, right across the center of the Pacific. Unfortunately that is the longest way—4,000 miles from the Gilberts to Formosa or Philippines. You say Kwajalein was cheap, but you did not think that Tarawa was cheap. We have some islands harder to take than Tarawa. For instance, Truk. Of course you found it easy to raid the other day. Most unfortunate—we had to dispose of a few incompetent generals and admirals. But it will be much harder to capture than to raid.

"Truk is no atoll. It has nice mountainous islands good to defend. And the islands are not on the reef. They are in the middle, with the reef in a ring 15 miles around them, like barbed wire so your ships cannot get close. You cannot even wade across the deep lagoon. We will not sell cheap."

The Admiral extends his hands amiably. "I do not want to discourage your Navy. All these islands are Japanese airplane carriers and submarine bases. Unless you take them, how can you make the Pacific Ocean safe for the greatest navy in the world?

"So perhaps you will try Route VI, from the Aleutians. It is the short route. From Kiska to Paramushiro is only 900 miles. To Hokkaido is only a little over 1,500 miles. In the fog your Navy can sneak down and shell us. They did last month. This is also your best route for air raids but not so easy for invasion. It goes right past Kurile Islands which will be very annoying. So first you must take them.

**Fog, gales, rocks and the smell of sulphur**

"Kurile Islands are very much like Attu—hard to take. Here there is all the time fog, gales all year, few harbors, many rocks, heavy seas, also much smell of sulphur from the volcanoes. Japanese need land but after many years the biggest island, more than 100 miles long, had only 1,350 inhabitants including hairy Ainus.

"Kurile Islands are a nice home for sea lions but not homelike place for invasion. After 700 miles of island hopping you get through them to Hokkaido which is much more hospitable—a nice place something like your Nova Scotia—and still 600 miles from Tokyo.

"So maybe you prefer Route VII. You tell Mr. Stalin to give you a second front. Heh, heh! Russians are already in Scoring Position. From Vladivostok their submarines and airplanes can sink Japanese ships to Korea and Manchuria. From seacoast of Siberia your planes and Russian planes bomb Tokyo. Across 300 or 400 miles of sea you can invade Japan. All sounds very easy. It is not so easy as it sounds.

"In Manchukuo we have big Kwantung Army. Very quickly if there is war we cut off seacoast provinces of Siberia. Russians have only one railroad to Vladivostok.

"Already Germans ask us to attack Siberia, but we do not do so. Mr. Stalin knows Japan is a good friend. If he changes mind, Japanese will not be asleep. Maybe we move first. Maybe we take Vladivostok. Maybe we take Kamcharka too. Route VII does not begin at Vladivostok. It ends there. It begins way back, maybe 1,000 miles back in Siberia, where Mr. Stalin has to begin fighting crack Japanese Army, maybe 1,000,000 Japanese soldiers. Maybe Mr. Stalin think again."

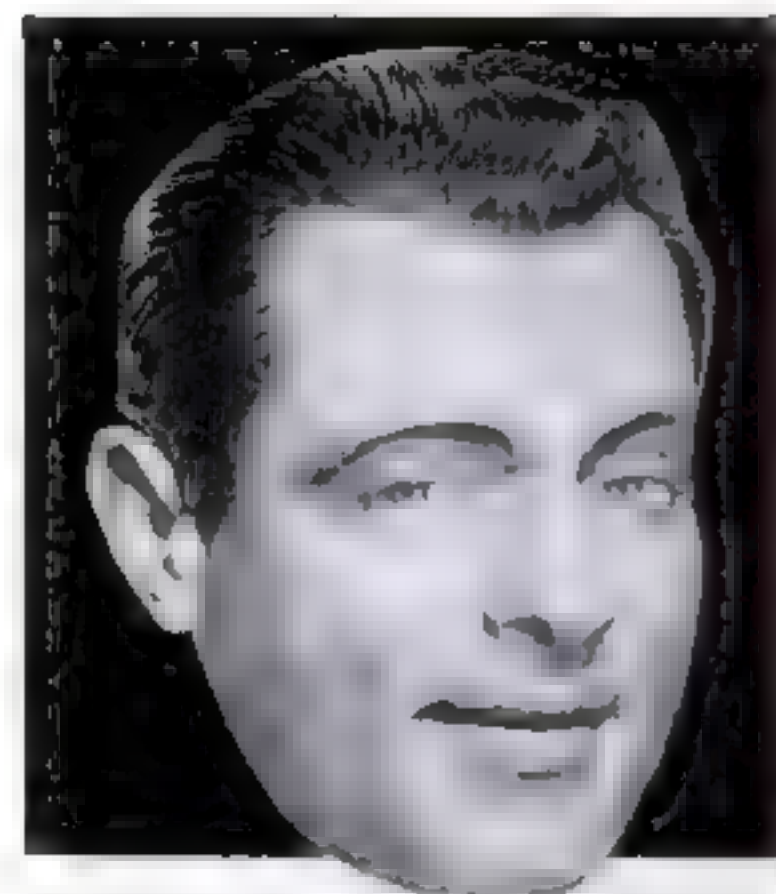
Quasi Tojo slumps back in his chair and relaxes in complete good humor as if he has given you all the help he can.

"I hope I am not too discouraging. All routes are very difficult. We have planned it that way—with great care. Americans laugh at us because we did not take Hawaii after Pearl Harbor. Perhaps that was mistake. But Japanese are methodical people. To us taking Manila and Singapore was very important—to make every route of attack very difficult.

"Now we fight a cheap war. It is like jujitsu. With a little force at the right place we make it unpleasant for you. We do not risk our main fleet. We save that to fight in the narrow seas—unless, of course, you give us a chance to strike a crushing blow.

"We do not risk our army. We have as many soldiers as Germany or we could have. We let you fight a few thousand men in the Solomons, or the Marshalls. But the big army of Japan you have not even seen.

"The great German scholar, General Clausewitz, pointed out there are two kinds of wars. There are wars in which a nation sets out to



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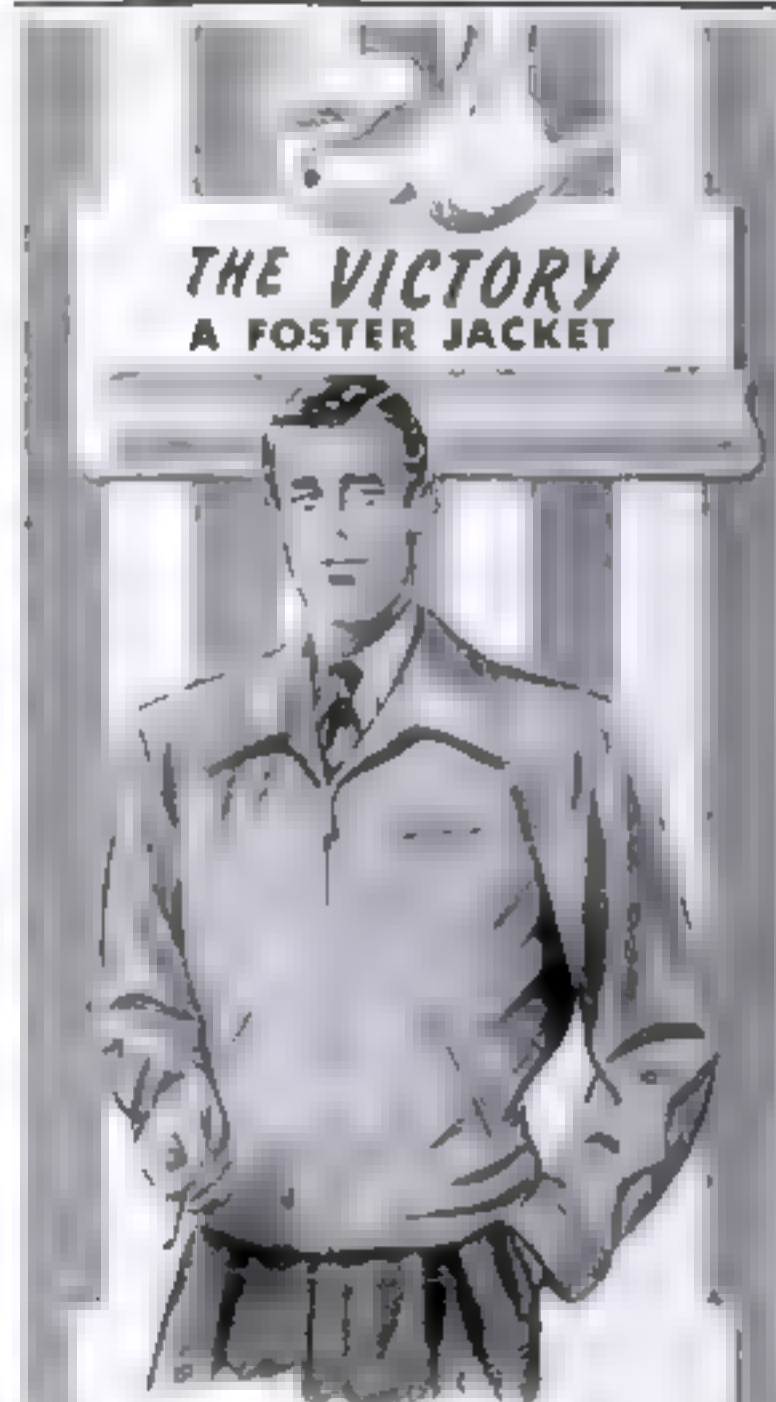
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Shoes for fighters "in air, on land and sea" demand the best you can give a man in leather, rubber or whatever the specifications of his service branch call for. It means quality "every stitch of the way."

And that goes for shoes we are making on *this* Side of the Fight, too. Look at the Roblee at the left and read about it. That's sure a shoe, mister, if your ration stamp calls for a pair these days. Made by Roblee Division, BROWN SHOE COMPANY, Manufacturers, St. Louis.



"A neat soldier, Hemenway."



Sorry—no sale! We mean this "high-reaching" paratrooper boot isn't for sale. We're one of the manufacturers chosen to make boots for those daredevils who "drop from the skies ready, willin' and fightin'." Made by the makers of Roblee with a lot of care—and plenty of respect for the boys who'll wear them.



There is only one source of this distinguished whiskey, and that is the **OLD TAYLOR** Distillery in Kentucky. The best evidence of this whiskey's quality is the fact that demand now far exceeds supply.

This signature on every bottle is your guide to the genuine **OLD TAYLOR**.



**PLEASE BE PATIENT.** We're doing our best to spread our prewar stocks of **OLD TAYLOR** fairly—as we're now engaged in war production of alcohol.  
National Distillers Products Corp., N. Y.

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## YOUR WAR WITH JAPAN (continued)

defeat and destroy an enemy completely. Then it must go out and annihilate the enemy's forces in the field. But there is another kind of war in which a nation wishes to gain territory. In this case the object is only to seize the territory as quickly as possible and hold it cheaply till the enemy gives up.

"Japanese are very modest. This is all we desire. Sooner or later you will get tired and we are reasonable people. Any time you wish peace, let us know. Let us keep a little more empire than we could keep by fighting longer and we will make peace with you. We will even arrange it to look like victory for you.

"As Premier Tojo told the Diet two months ago, right now we wait for Americans to get tired. We wish to encourage you to become discouraged."

The Admiral chuckles contentedly. He gets up and holds out his hand, indicating that the interview is at an end and that he has said all there is to say. At the last moment you venture a question:

"Isn't it true that Premier Tojo has also told the Diet that this is a war 'to eat or be eaten'?"

"Yes," agrees the Admiral, "he may have. Many of us have said so because that is the truth."

"And isn't it true that you have taught your people that this may be a hundred-year war? That they must be prepared to fight on, even if a temporary peace is necessary, until you win final victory?"

"Certainly. Our endurance is far greater than Americans'. We shall never give up until we have won."

"In that case, can't we assume that if we make peace and let you keep a little territory, or a lot, you intend to attack us again? And that you intend to go on until—after the second peace treaty or the third—you succeed in eating us?"

Suddenly the Admiral's cheeks flush with rage. "You are twisting what I say. I did not admit any of this. I forbid you to say so. I protest against it. I protest volubly."

With that Quasi Tojo draws himself up to his full five foot three, looking every inch an angry admiral. Then for emphasis he spits in your face.

### Misgivings the Japs do not talk about

Your friend Quasi Tojo has told you the truth as he sees it—but of course not everything that is on his mind. This is the way he and his friends planned it. And it is very close to what they have achieved.

But the Admiral and his friends have misgivings which they do not talk about freely. They already had intimations that the complexion of the war in the Pacific was changing, but Admiral Nimitz' recent sideswipe at Truk, undertaken to cover the Eniwetok operation, was more than an intimation. It was an exposition of the fact that the U. S. not only has the world's biggest fleet in the Pacific but a fleet which is rapidly becoming capable of fighting a kind of sea warfare that the world has never before seen.

Because the Japs struck an unprepared enemy, Pearl Harbor was very, very effective. But as an air raid Pearl Harbor was smalltime stuff compared to Truk. And Truk will be smalltime stuff compared to raids that the U. S. Navy can soon deliver against enemy bases—especially after British carriers are able to join American carriers in the Pacific.

If the European war ends this year, the whole picture of your war with Japan will alter even more. The Japanese have never relied on any direct German military aid and the collapse of Germany will not weaken them in any way. But it will strengthen Japan's enemies—so much that you may never have a chance to choose between routes to Tokyo.

The RAF and U. S. Air Forces are apparently maintaining about 4,000 four-engined bombers in the European theater. When Germany collapses, presumably at least 3,000 can be shifted to the Pacific. The question will not be whether to give them to MacArthur or to Mountbatten or to the Navy. The question will be: how many planes will each of these fronts be able to accommodate? In England a huge airport, as large as many a Pacific island and paved with enough concrete to surface 60 miles of two-lane highways, is required for every unit of about 50 heavy bombers. Three thousand such planes take 60 such fields. Neither MacArthur nor Mountbatten nor the Navy has a fraction of that number of fields.

Quasi Tojo and his friends have done a very shrewd job of making every approach to Tokyo as difficult as possible. But they in turn will find it difficult to defend all these approaches at once.

If several active campaigns are launched, Japanese merchant shipping, already suffering from attrition, will be hard put to it trying to supply all fronts. The influx of Allied planes will put an additional heavy strain on the already strained Japanese air force. Japanese plane losses are already so high that the Japanese rarely use their

CONTINUED ON NEXT PAGE



Meet a Lucky  
Guy

### IN BODYGARD UNDERWEAR

American manhood rates the BEST now and after the war. Happily "Utica's" nine mills can also share their famous underwear with millions of home folks who have made it their favorite for generations. This lucky fellow is wearing NEW DAY BODYGARDS with those fine masculine features:

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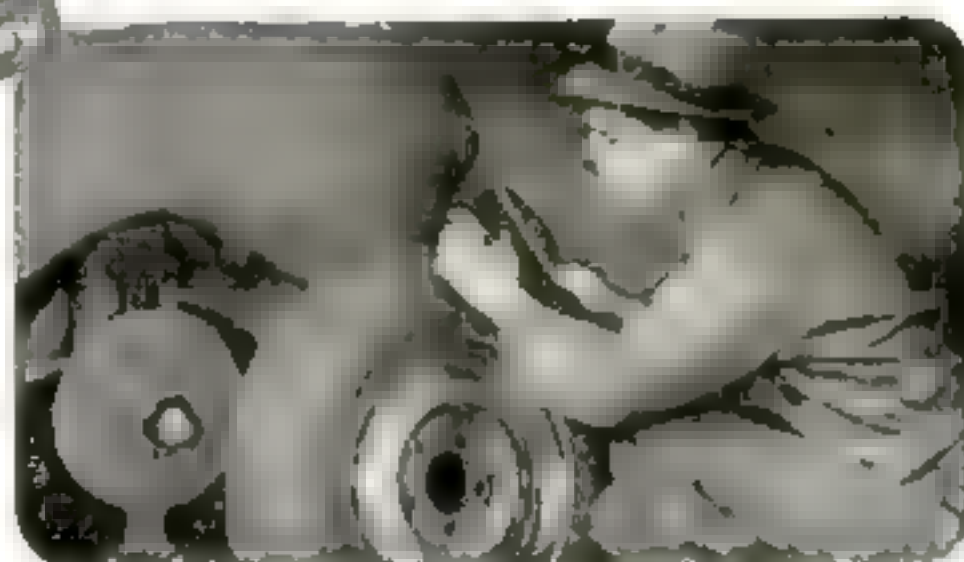
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## YOUR WAR WITH JAPAN (continued)

planes for anything except counteraction against U. S. attackers by sea or air.

But the fact that you may be able to embarrass the Japanese by attacking them on several routes at once does not mean that all routes are equally good or will put you equally soon in Scoring Position. For example, consider General MacArthur's plan to drive north to the Philippines versus the Navy's plan to drive west from the Gilbert Islands.

The fact that MacArthur has made limited progress in the last year is not to be blamed on his route, on him, or on the Allied command's failure to supply him adequately. For the campaign he wished to undertake he was never adequately supplied. For the campaign laid out for him by the Allied command he got what was needed—and used it well. The issue between him and Washington was not really over tools or routes but over strategy.

Conversely there is no black mark against the Navy's route because there were 3,000 casualties at Tarawa. The public was shocked because in taking that atoll 1,000 Marines were killed in three days of battle. Yet Tarawa was an operation no more expensive, for example, than Guadalcanal, where we also lost 1,000 dead, but the casualties were spread over six months.

On MacArthur's route the Japs occupy a relatively few posts on large jungle-covered islands. So MacArthur has a chance to use his strategic ability to surprise and outflank the enemy. On the Navy's route the islands are tiny and every beach may be defended. Hence MacArthur typically lands on "cold" beaches, the Navy on "hot" beaches.

After a cheap landing on MacArthur's route it is generally necessary to fight a small campaign, which is apt to take several weeks. On the Navy's route the whole objective may be taken in three or four days of hard fighting. So the route of the Navy's campaign may be longer in miles but possibly shorter in number of days of fighting.

### Playing the Pacific War by ear

For such reasons absolute comparison is difficult between routes. To a certain extent the Allied command will have to play the Pacific War by ear—just as the Russian command has against Germany—putting pressure on all fronts but making the main effort wherever, at any given point in the campaign, the greatest progress can be achieved.

But such local flexibility in face of altering military dispositions of the enemy does not mean that your basic strategy is not clear from the outset. Your objective is still Scoring Position.

Of Quasi Tojo's seven routes, one (No. VII) is not yours to try. It is Stalin's, to use when, as and if he chooses. Another (No. I) is the Burma Road, which is inadequate for your purposes. The Aleutian-Kurile route may be worth a considerable effort. The terrain and the weather are great obstacles but the distance to Scoring Position is relatively short. One tough hop will practically bring you there.

The other choice consists of the remaining four routes. If you look at the Admiral's map, you will notice that his four remaining arrows all converge on one area—on the coast of southern China.

Geography brings them together and so does military logic. Not until you have a foothold on the coast of China can you deliver supplies to the Chinese Army in adequate quantity. Until that time there is always the possibility of a terrific setback in your war with Japan, the possibility that war-torn, inflation-burdened, half-starved China may have to give up the fight.

But once you have ports in China you can begin to build up your forces for the final campaign of the war. For a large part of your expeditionary force will be found already landed on the coast of Asia—the Chinese armies now waiting for arms.

All this does not add up to a certainty of a quick victory over Japan. The road ahead is still long, still difficult—although not so difficult as your Japanese Admiral planned it.

First, although the U. S. Navy may soon be able to launch carrier-based air raids on a scale to dwarf the Japanese effort at Pearl Harbor, such blows are not invasions. Pearl Harbor was not followed by Japanese occupation of Hawaii because the Japanese were not prepared with an invasion force. Mounting an invasion means assembling the necessary men and equipment, loading it aboard invasion ships, conveying to the point of attack, putting it ashore, and—if all goes as well as a commander can dream—mopping up the out-classed enemy. The complete process takes weeks for each new advance. The only way it can be speeded is to prepare several attacks at once. That is possible only if landing vessels and bases are at hand for preparing several expeditions at the same time. Your landing vessels are still too few. They are also expendable. For the present they are a serious limiting factor on U. S. offensive operations.

"Down went McGinty..."

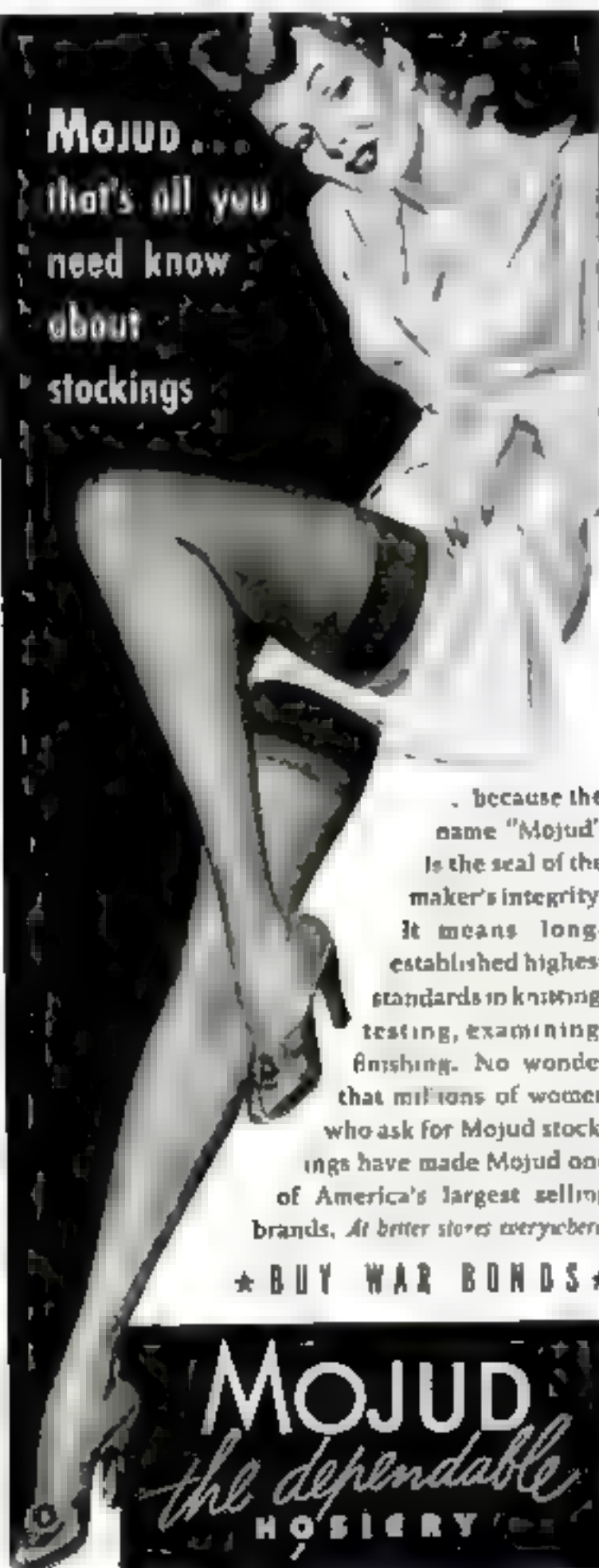


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Cheer up, faithful footwear! Better days ahead. While Whittemore isn't given to boasting, we'll grant that our new deluxe Shoe Polish is the finest, gives the most satisfying shine, of any polish we have perfected in 102 years of making fine shoe dressings. Going largely for fighting feet now. You'll get plenty later.

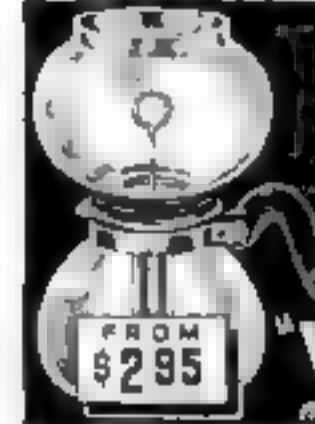
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"Boy, what she can do to coffee in her VACULATOR! The tastiest, flavoriest, most delicious drink you ever set parched lips to! Mama—just keep that VACULATOR brewing 'til I'm home again."



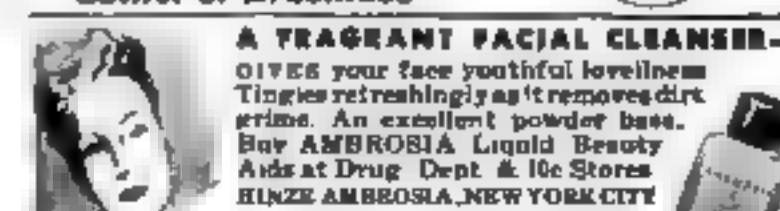
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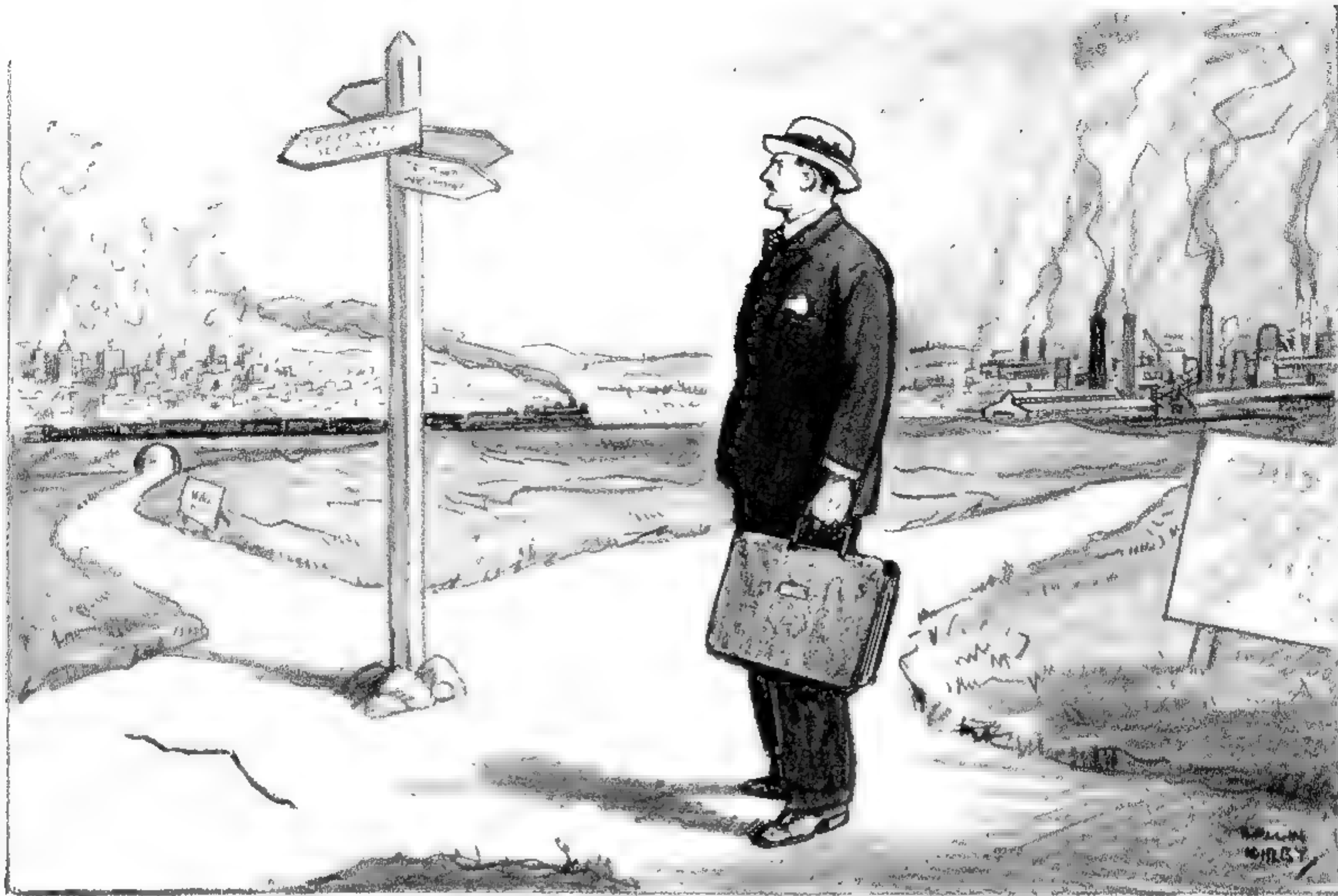


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**AMBROSIA**

CONTINUED ON PAGE 112





## "Where do we go from here?"

**T**ODAY, our nation stands at a crossroad, peering into a future which has few certain guideposts. Yet one thing is sure. Human relations . . . human values . . . will play a greater part than ever before.

In planning the future of our company, we are vitally concerned with these human values.

That is why we at Fiberglas see the answer to the question, "Where do we go from here?" in terms of people . . . lots of people:

The people who make Fiberglas\*, the people who buy Fiberglas from us and find it useful in improving their products, and finally, the people who buy these countless products in which Fiberglas is used.

And while we cannot blueprint the whole road into the future now, we can establish some guideposts. For instance:

**1. One aim** of ours is, through increasingly efficient production, to make Fiberglas available to industry at the lowest possible cost.

Thus, Fiberglas will work for *many* people rather than a few. Countless products may be better, cheaper, stronger, or safer. Countless people will benefit . . . those who use these products . . . those who make them . . . and those who make Fiberglas.

**2. Another aim** is to continue to encourage the use of Fiberglas wherever it does work no other material can do, or does work better or less expensively.

Thus, Fiberglas will satisfy new consumer needs and provide *more* work for *more* people in other industries as well as our own.

**3. We aim also** to increase the practical applications of Fiberglas by doing even more research. In this way, this material, born of glass research, will serve the American public as widely and as well in peacetime as it is now doing in war.

Thus, a lengthening horizon of new products

and new jobs will be opened up in many industries and for years to come—our industry included.

With these human values before us and in the spirit of American enterprise, we are charting our course into the future.

Owens-Corning Fiberglas Corporation, Toledo 1, Ohio. In Canada, Fiberglas Canada, Ltd., Oshawa, Ontario.



# FIBERGLAS\*

\*U. S. Reg. U.S. Pat. Off.

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## YOUR WAR WITH JAPAN (continued)

Second, island skipping is possible—as several of the Solomons were by-passed in the landing on Bougainville, several of the Marshalls were by-passed in the landing on Kwajalein. But there is a limit to skipping. When islands are skipped you are between the enemy and his base and he is between you and yours. Who is cut off? Whichever of the forward groups is weaker. And strength at the effective point depends largely on supply. As our sea superiority increases we can protect our supply route better and take longer hops. But sea superiority is always qualified by air superiority and air superiority depends largely on having convenient airfields, such as the Japanese have established every 300 to 600 miles in order to fly planes back and forth at will. Every airfield taken means another island hop.

Third, Japan's merchant fleet is becoming overstrained trying to supply her troops scattered throughout the Pacific, but if the outposts are abandoned, even a decimated Japanese merchant fleet is still quite adequate for ferry service on the short run between Japan and her armies on the Asiatic continent. So if things get much worse for them, the Japanese may deliberately retire from their outer islands to deprive us of the advantage of pressing them on many fronts.

Fourth, we are no longer inclined to make our original mistake of underrating the Japanese Army, Navy or air force. But there was an element of truth in our misconception. The Japanese have serviceable and effective weapons and have good skill in using them. But by the standards of the weapons which the U. S. produces, these are distinctly grade B equipment. And by comparison with the amount of equipment which the U. S. is already able to put into the Pacific, the Japanese services operate on a shoestring.

The penalty of superior equipment and lots of it is that it must be moved to the scene of action and put into use. For example, the kind of airfields used in England for heavy bombers, not only costs \$5,000,000 apiece but takes 1,500,000 man-hours to build. When we get a set of such fields built in the Pacific we shall have great advantage within their range. But as soon as we exploit our advantage by driving the enemy back, we lose our advantage until we build another set of fields farther in advance. Our bulldozers and our concrete mixers will literally have to build our way to Tokyo.

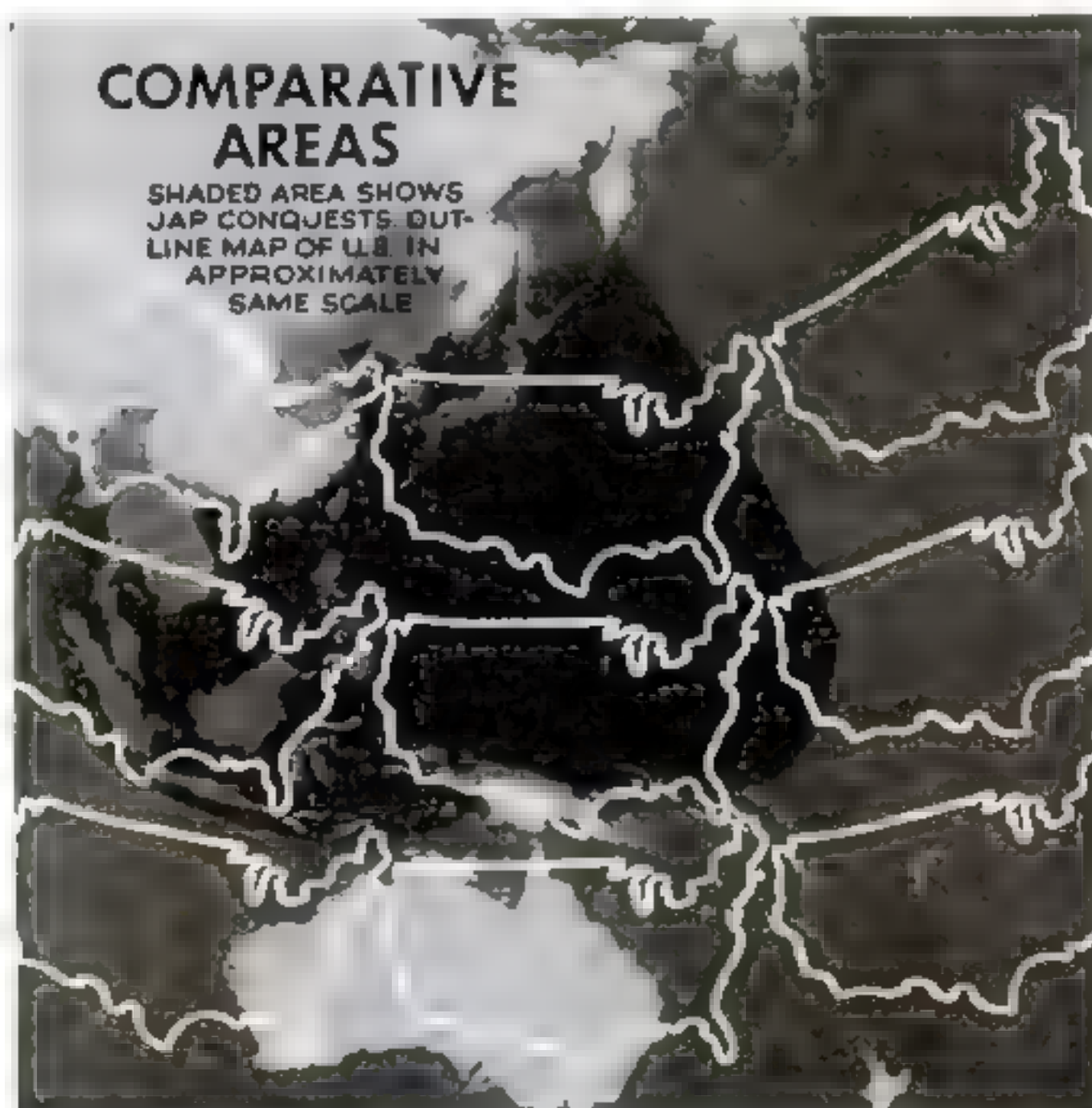
This is true not only of air bases but of ports and bases. We are beating the Japs by turning war into an engineering problem. We now have to do the engineering.

This kind of warfare takes time to prepare but with good generalship it can produce brilliant results. For that reason your war with Japan is reaching a stage where the whole Pacific may take fire. The first time when you had overwhelming superiority and used it was at Kwajalein and the results were terrific.

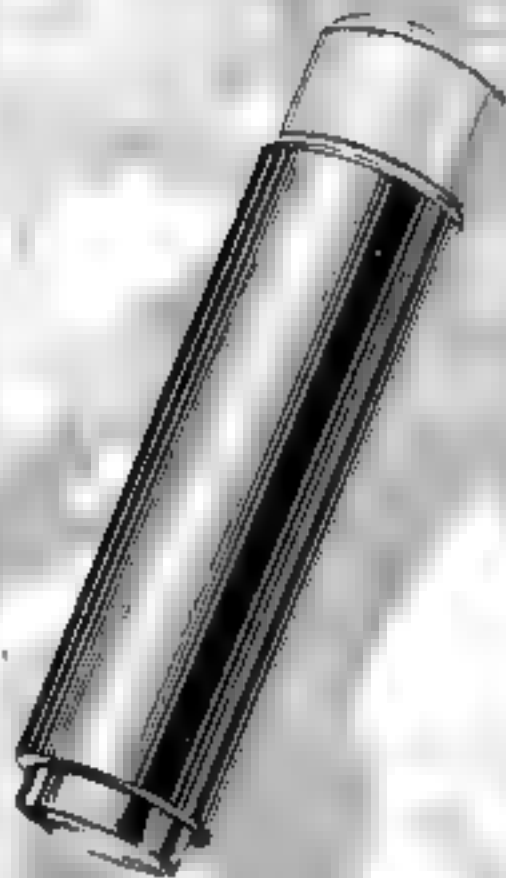
In Europe blitzkrieg began when one side developed weapons and tactics which outclassed the other. And blitzkrieg ended when the balance was redressed. In the Pacific the story may be quite different. The fairly even balance of a year ago is being progressively upset. In the Pacific you have a chance to build up to a blitzkrieg.

### COMPARATIVE AREAS

SHADED AREA SHOWS  
JAP CONQUESTS. OUT-  
LINE MAP OF U.S. IN  
APPROXIMATE  
SAME SCALE



Nine U. S.'s are herewith superimposed in approximate scale on Pacific to give you idea of how far you must fight to get to Tokyo. "Very instructive," says Quasi Tojo.



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Fighter's  
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Flameless  
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\*Reprints of letters we have received from service men overseas are available on request



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HENRY, EDWARD & THOMAS, BOSTON, MASS., NEW YORK

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WOULDN'T WIN THE WAR

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Live notes only!

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All day they've been bringing in the wounded. And now her practiced hands work almost automatically. Again she reaches for the precious plasma—again an arm is bared to receive it—again a failing pulse grows stronger—again a soldier is saved from death to come back home.

As this army nurse sees the power of plasma, is it any wonder she breathes a prayer of thanks that it is there in time? And her thanks are echoed by officers and men of the medical corps—by thousands of wounded on hospital cots—by all the mothers who wait

and hope. Life-saving plasma is made from blood—blood donated by Americans who take this means of putting themselves in the fight with their fighting men. It's the kind of blood that has built America—the kind of blood that has kept her free—*fighting blood*! As the

war continues to grow in intensity, we must give more and more. We dare not fail. Why not call your Red Cross Blood Donor Center and make an appointment today? Belmont Radio Corporation, 5923 West Dickens Avenue, Chicago 39, Illinois.

  
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BORN 1820  
Still going  
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Due to British War Restrictions—gold foil has been eliminated and other slight changes have been made on the outside of the familiar Johnnie Walker bottle—but inside good old Johnnie Walker whisky is still unchanged.

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# DANNY KAYE

In "Up In Arms" screen debut his horsing of Army misfit is a howl

Samuel Goldwyn's *Up In Arms* is a technicolored showcase for the comic versatility of effervescent Danny Kaye. His first movie role turns out to be one of the most auspicious debuts of recent years. The story of a plucky taking-hypochondriac, *Up In Arms* lifts Danny Weems—Danny Kaye—from his job as an elevator operator and sets him down in the Army. From this point on, the picture is an unabashed Hollywoodization of Danny's Army life. He emerges as both a conspicuous misfit and a hero. When Kaye is

horsing across the screen, the movie is a howl. When he isn't, it is merely silly.

Danny Kaye began as a "borsch-circus" comic, was a hit with well-dressed clientele at Manhattan's La Martinique, played part of a swishy photographer in *Lady for the Day*, and became the darling of Broadway in *Let's Face It*. In *Up In Arms* he stamps his rubber-faced way through a medley of numbers written by his wife, Sylvia Fine, of whom he once said: "Sylvia has a marvelous head on my shoulders."





★ HERE'S a man's breakfast. Tempting hot-cakes, golden Mapleline Syrup—sure to be your favorite. Make it today with or without sugar. Get Mapleline from your grocer, now!

**3 GRAND WAYS TO MAKE MAPLELINE SYRUP**

- 1 With Sugar**  
pour 2 cups boiling water  
over 4 cups sugar  
add 1 teaspoon Mapleline  
stir and you have ...  
2 pints Mapleline Syrup
- 2 With White Corn Syrup**  
boil 1½ cups hot water  
3 cups corn syrup  
for 5 minutes  
add 1 teaspoon Mapleline  
stir and you have ...  
2 pints Mapleline Syrup
- 3 With Honey & Corn Syrup**  
heat 1 cup hot water  
½ cup strained honey  
2½ cups corn syrup  
bring to full boil  
add 1 teaspoon Mapleline  
stir and you have ...  
2 pints Mapleline Syrup

**MAPLELINE**  
IMITATION MAPLE SYRUP  
The "Extra-Help" Flavor in Wartime

**WHEN FINE AMERICAN WATCHES CAN AGAIN BE MADE**

*Hamilton*

**WILL MAKE THEM**

Sorry you can't buy that Hamilton Watch today. Hamilton is making precision timepieces for Uncle Sam only now. But, when American watches can again be made, Hamilton will once more make America's preferred gift watch—a watch worth waiting for.

**THE WATCH OF RAILROAD ACCURACY**



Aboard an Army transport Pvt. Danny Weems is trying to hide a stowaway Army nurse (Constance Dowling) from Colonel Ashley (Louis Calhern). They have stumbled into colonel's stateroom while attempting to reach safety of nurses' quarters.



As Jap officer, Danny (right) says "oide nasei," only Jap phrase he knows. It means "Follow me." Men obey and he leads them into U. S. camp. He had been captured by Jap raiding party, but has managed to overcome their officer, steal his uniform.



As jitterbug doctor, Danny jives with nurse who loves him (Dinah Shore) in front of hospital tent in camp. His singlehanded capture of Jap outfit makes him a hero. Back in camp he convinces Army doctor that the doctor is ill, takes his equipment.

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Eyes tired? Do they smart and burn from overwork, sun, dust, wind, lack of sleep? Then cleanse and soothe them the quick, easy way — use Murine.

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... headaches, neuralgic and muscular pains usually yield promptly to the quick-acting ingredients in "BC" Headache Powder. 10¢ and 25¢ packages at all drug stores. Use only as directed.

**QUICK-ACTING**  
**"BC"**  
for **HEADACHES**  
neuralgic and muscular pains



# The fight on the doorstep

**T**HIS WAR CAN'T BE WON on battlefields alone. One of the most critical campaigns of all must be waged right on the doorstep of every family in America.

This is the fight against higher prices and higher wages. It's a fight that *must* be won . . . or victories on battlefields will be meaningless.

It's like this. In America this year, our total income after taxes will be about 133 billion dollars. But there'll be only about 93 billion dollars' worth of goods to spend it on. If we all start trying to buy as much as we can, prices will shoot up.

As prices rise, people will ask for—and, in many cases, get—higher wages. That will put up the cost of manufacturing, so up will go prices again. Then we'll need another pay raise. If we get it, prices rise again. It's a vicious circle.

The Government has done a lot to help keep prices down. It has put ceilings on food and rent . . . has rationed scarce articles. But the Government can't do it all alone. It needs *your help!*

Your part in this fight won't be easy. It will mean foregoing luxuries, perhaps doing without a few necessities. Tough? Maybe . . . but don't say that where the veterans of Italy and New Britain can hear you!

You *want* to do your part, of course. So do we all . . . farmers, laborers, white-collar workers, business executives. And the way to do your part *right now* is to observe the following seven rules for Victory and a prosperous peace . . .

**1. Buy only what you NEED.** And before you buy anything, remember that patriotic little jingle: "Use it up. Wear it out. Make it do or do without."

**2. Keep your OWN prices DOWN!** If you sell goods, or your own time and labor, don't ask for more money than you absolutely must! No matter who tries to talk you into asking more . . . *don't listen!*

**3. No matter how badly you need something . . . never pay more than the posted ceiling price!** Don't buy rationed goods without giving up the required coupons. If you do, you're helping the Black Market gang—hurting yourself!

**4. Pay your taxes cheerfully!** Taxes are

the cheapest way to pay for a war! The **MORE** taxes you pay now—when you have some extra money—the **LESS** taxes you'll pay later on!

**5. Pay off old debts.** Don't make any new ones! Get, *and stay*, square with the world!

**6. Start a savings account.** Make regular deposits, often! Buy life insurance. Keep your premiums paid up.

**7. Buy War Bonds . . . regularly and often!** And hold on to them! Don't just buy them with spare cash you can easily do without. Invest every dime and dollar you don't actually **NEED** . . . even if it *hurts* to give those dimes and dollars up!

**Use it up . . . Wear it out.  
Make it do . . . Or do without.**

**HELP  
US  
KEEP**

**PRICES DOWN**



**DEPENDABLE**  
*Performers*



**BILL STERN**, Sports Director of the National Broadcasting Company. His consistently excellent play-by-play descriptions thrill millions. Now heard every Friday over NBC at 10:30 P. M., E. W. T.

Illustrated  
STRATFORD  
CONQUEROR  
**\$1.25**

**Stratford**  
**PENS AND PENCILS**

You have only to write with this handsome Stratford Pen to realize that it is dependable in every way. You have only to look at its price to spot instantly its greater value. Smooth-writing Silver Palladium point. Convenient push-button filler. See the new Stratfords at any good pen counter. They were designed for your writing pleasure.

**SALZ BROTHERS, INC.**  
Salz Building, New York 1, N. Y.

"Up In Arms" (continued)



Constance Dowling, 22, used to be a dancer at Paradise cabaret on Broadway. She played walk-on parts with Group Theater, was picked by Goldwyn for *Up In Arms*.

## THE GOLDWYN GIRLS ARE LOVELY

In *Up In Arms* Sam Goldwyn again demonstrates his ability to unearth new talent and fit it into its proper place. Besides discovering the screen possibilities of Danny Kaye and Constance Dowling (above and below), Goldwyn has managed to surround them with the most arresting assortment of handsome girls seen on the screen in a long while (see page 121). Of the 29 he selected for *Up In Arms*, nine are from California. No other state is represented by more than two. Thirteen of them were students, 10 were models. Portraying Army nurses in *Up In Arms*, they wear play suits as they sun-bathe in the approved Caribbean-cruise fashion. Unfortunately, Army life is not so glamorous as *Up In Arms* would lead people to believe.



Showing her legs, Constance Dowling demonstrates the suppleness that made her a dancer. She will appear soon in United Artists production *Knickerbocker Holiday*.

MEDICATED FOR  
**SANDPAPER**  
**THROAT**



Throat raw, raspy, due to a cold? Get yourself Luden's and help yourself to quick, soothing relief. Special medicinal ingredients and cooling, comforting menthol help ease sore, tender throat membranes.



**NEW** LUDEN'S  
**HONEY-LICORICE**  
**COUGH DROPS!**

Here's a new flavor in cough relief by the makers of Luden's Menthol Cough Drops. Both are medicated. Both 5¢.

**RED-ITCHY SKIN?**  
watch out—it's often

**ECZEMA**

Home  
Treatment  
Promptly  
Relieves  
Torture!



First applications of wonderful soothing medicated liquid Zemo—a Doctor's formula—quickly relieve the intense itching burning of Eczema, Psoriasis and similar annoying skin and scalp irritations due to external causes. Zemo also aids healing. Amazingly successful for over 35 years! Apply anytime—doesn't show on skin. First trial of clean, stainless liquid Zemo convinces! 3 different sizes. Buy Extra Strength Zemo for stubborn cases. All drugstores.

**ZEMO**

**La Cross**

Precious  
nail nipper



This La Cross implement is precious. If you own one, treasure it. For the duration it may be difficult to replace... at the present time; no La Cross implements are being made.

For more than four decades,  
America's Finest Manicure Implements  
SCHNEPPEL BROS. CORPORATION FIFTH AVE., NEW YORK

CONTINUED ON PAGE 121





## Du BARRY

BEAUTY PREPARATIONS

by RICHARD HUDNLT

*Featured in the Richard Hudnlt Salon  
and DuBarry Success School, 693 Fifth  
Avenue, New York 22, N. Y....and at  
better cosmetic counters everywhere*



*Pour just a few drops of DuBarry Foundation Lotion in the palm of your hand. Then stroke your face and throat till the lotion is well smoothed in. Remove any excess with tissues.*



*Creamy, protective, DuBarry Foundation Lotion is a powder base for normal and dry skins. There's a tiny bit of lubricant in it...not so much that your skin feels oily...just enough to keep it satiny smooth!*



*Flower-fresh, slightly moist...the kind of foundation that makes your skin softer, dewy, younger looking, and softens wind-reinforced skin. Helps your powder cling longer...and go on more smoothly, more evenly, besides! DuBarry Foundation Lotion, \$1.25.*

# Lady with a line

ONE-WAY. Round trip. Sausalito or Syracuse. To an endless line of men and women on the move, Kathleen Mullady of the New York Central System is selling railroad tickets. The man she's replacing behind the wicket has gone to war. Taking over his job is her way of shouldering some of

the load her country has asked all women to share.

She has less time for herself. now...and greater need for always looking her best. In the famous DuBarry Success School, she learned to use...and to love... DuBarry Beauty Preparations.

The secret of these preparations

is that they are co-related...each one scientifically formulated to do a special job. Yet all chemically blended with each other so that when you use DuBarry Beauty Preparations straight down the line, you actually get more effective results!

More than 120,000 Success

School pupils have seen what co-related DuBarry Beauty Preparations can do for them. One of the best examples of the plus effectiveness of these products is DuBarry Foundation Lotion. This creamy liquid gives the perfect base for the sort of softer, younger-looking make-up everyone wants today.





*There is nothing better in the market.*

BROWN-FORMAN DISTILLERY COMPANY, INC., AT LOUISVILLE IN KENTUCKY

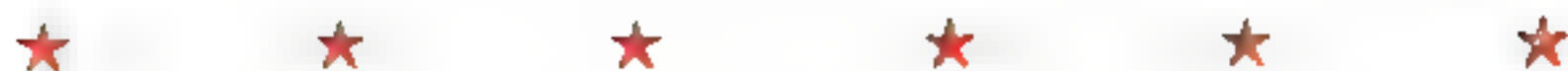




Goldwyn Girls posed during pin-up party given by Goldwyn for men in the armed forces. Coming from all over the U. S., these girls have an average height of 5 ft. 5 1/2 in., weight of 118 lb., and are almost equally divided between blonde and brunette.



Alma Carroll and Joan Chaffee (right), sample Goldwyn girls, come from California. Alma wanted to be a doctor, worked as a model, then went into pictures. Joan was found by Goldwyn in the little theater at University of California at Los Angeles.



## TIRED OF WAR PICTURES?



In this magazine you have seen hundreds of war pictures during the past few years. At the sight of these pictures, didn't the war seem closer? And sometimes didn't these war pictures arouse in you a surge of anger—or a wave of patriotism—or a guilty conscience because we at home here actually can do so very little as compared with what they out there are doing?

But far more important, when you laid aside this magazine, did you also lay aside your anger, your patriotism, or your conscience?

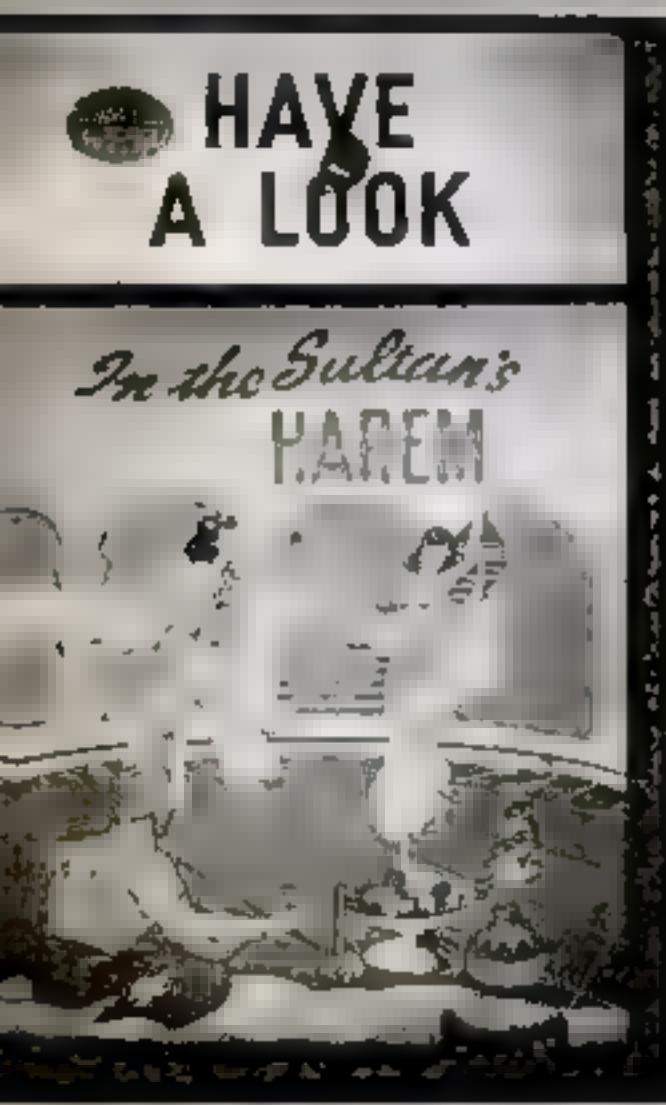
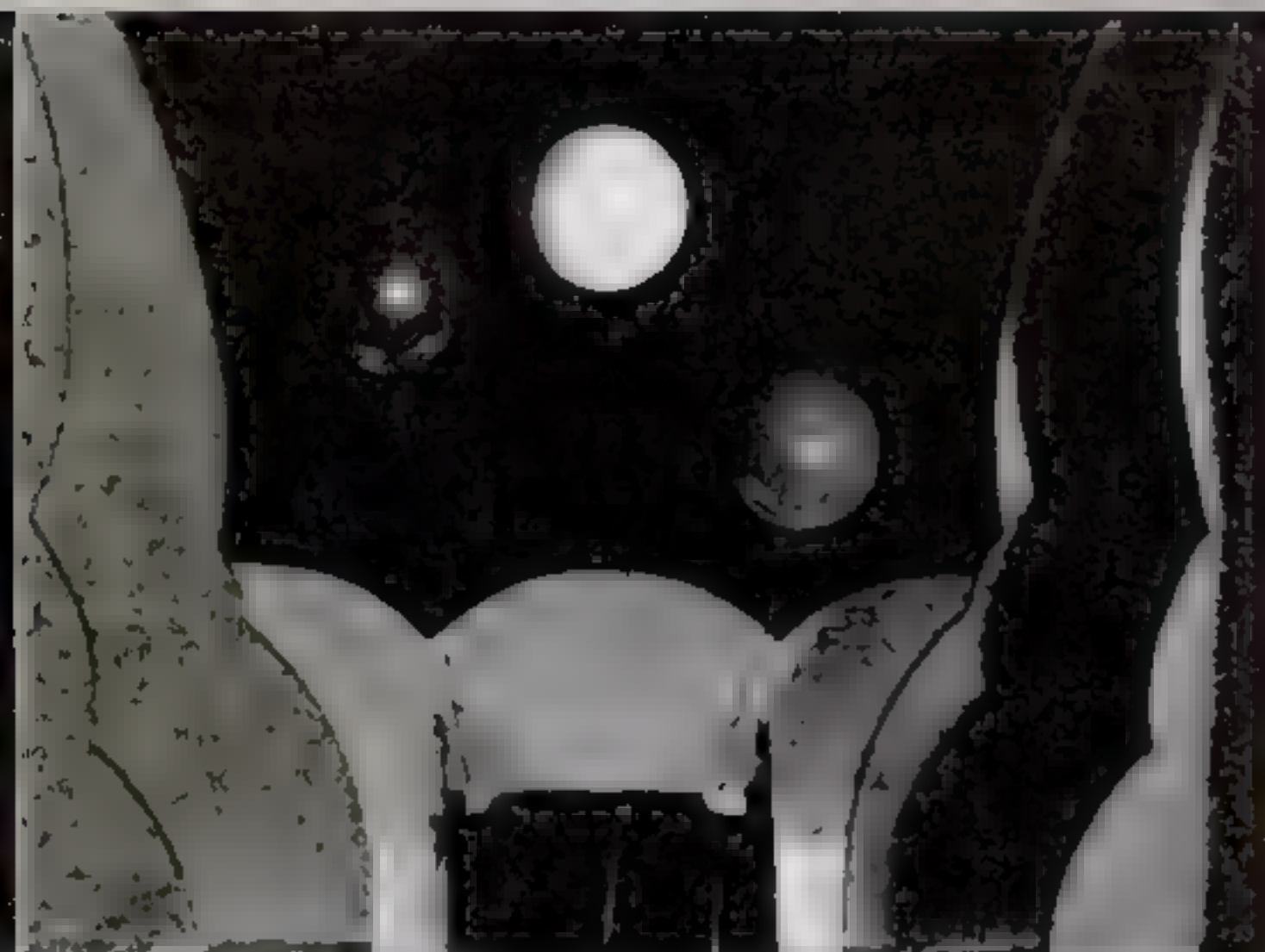
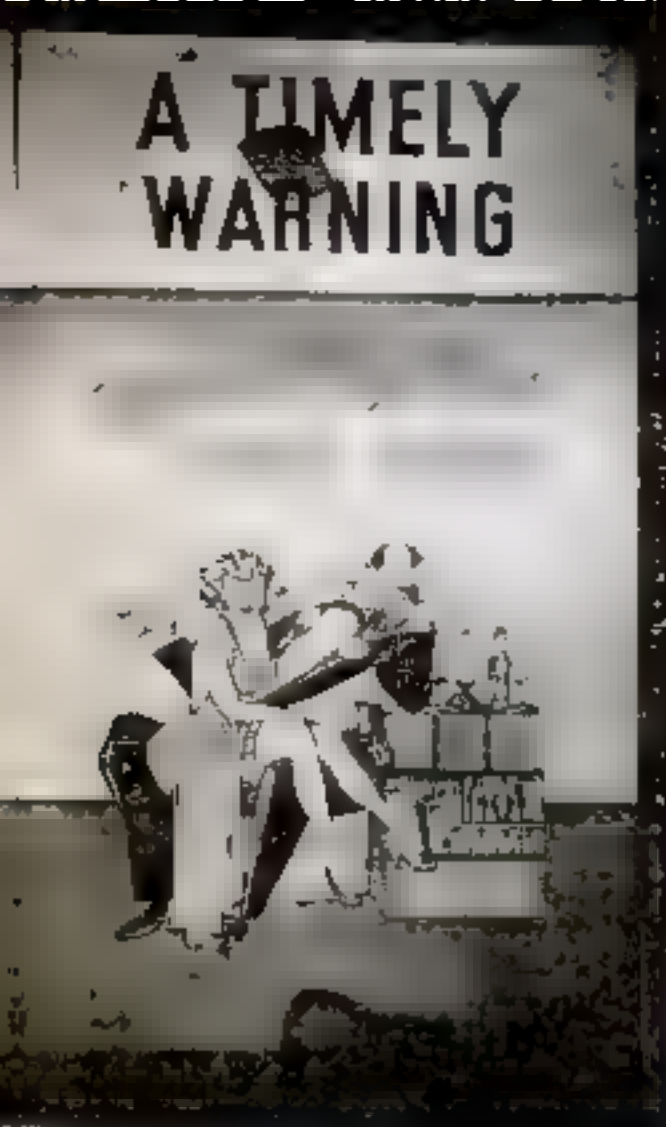
Well, even if you did, that would be only human. We've all done it—even though we realize that to win the war now in the shortest possible time, we must be *constant* and *unflinching* in every one of our home-front duties.

One way for us to prove that our anger, our patriotism and our conscience are constantly spurring us into greater efforts is to purchase War Bonds regularly—every pay day—in larger amounts than last year.

For the war is not won yet—and whoever shirks now in his duty to buy more War Bonds is indirectly prolonging the war. Let's hasten the day when war pictures will disappear from this and every other magazine.







WONDERLAND IS LIT UP AT NIGHT LIKE A CIRCUS TENT. THE

## Life Visits a Kansas City's Wonderland rakes in

The 1,500 penny arcades in cities and towns all over the U. S. are enjoying a pleasant boom. It results mainly from the presence of itinerant servicemen who have time to spend between trains or on short leaves. A good example of the trend is Wonderland arcade in Kansas City where soldiers, sailors and marines make up 60% of the crowd. Main attraction of the arcade is that they can there kill two or three hours for less than the price of a movie and if they don't like one divertimento, they can try another for a penny.

Entering Wonderland, the visitor encounters a confusion of sounds—juke boxes, shots from the rifle range, bells ringing on myriad machines. The whole atmosphere is one of carnival. Soldiers are inevitably drawn to the

PATRONS CHOOSE FROM A VARIETY OF MACHINES TO PLAY







PEAK OF WEEK'S BUSINESS IS SATURDAY FROM 9 P. M. TO 12

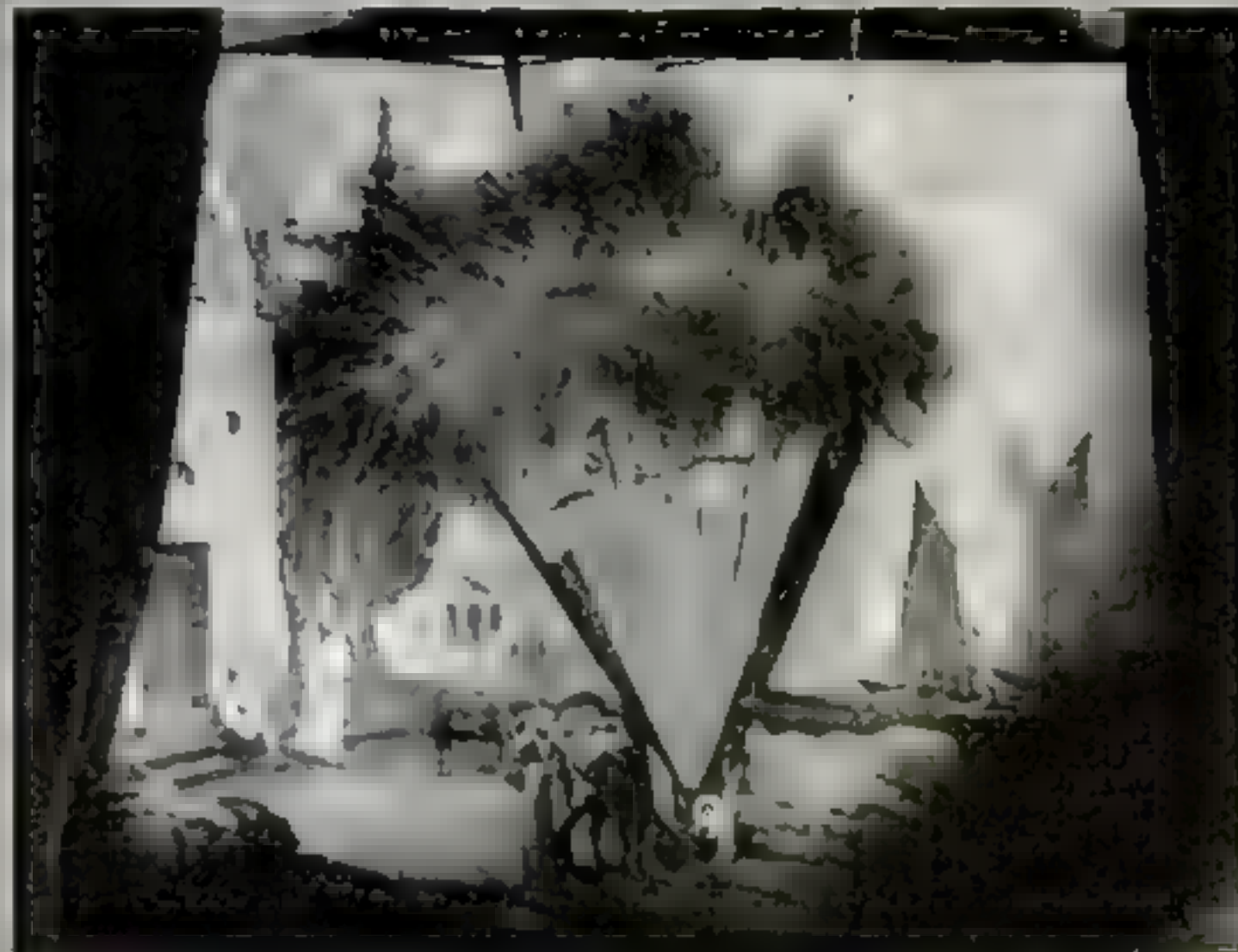
## Penny Arcade

the coppers and servicemen have fun

shooting galleries, where they try their skill endlessly until the girls drag them away to the fortune-telling machines which have romantic implications.

Also popular are the penny peep shows (left and right) which employ provocative facades. "Have a look in the Sultan's Harem" and turn out to be mild tableaux featuring wax figures and a corny sort of humor. Wonderland stays fastidiously away from striptease sequences and girly postcards found in other arcades. It continues on its highly successful way, however, by offering a wide range of attractions from punning bags to Kiss-O-Meter. Several of the machines are arcade antiques of early Coney Island vintage. None is new for there will be no more penny-arcade novelties manufactured until the war is over.

PENNIES AND NICKELS. THE AVERAGE EXPENDITURE IS 25-35¢





**1.3 MORE MILES PER  
GALLON OF GASOLINE**



**Y**ES, that's the certified record of the average increase in gasoline mileage when 1094 individual motorists changed to Macmillan RING-FREE Motor Oil in their own cars. Increases as high as 10% were not uncommon.

These certified Road Tests, from all parts of the country, prove that RING-FREE reduces motor friction *fast* — delivers more actual power to your rear wheels — helps overcome the excessive internal motor friction which automotive

engineers claim wastes as much as 50% of the power created by your gasoline.

By reducing friction RING-FREE reduces waste — gives more miles per gasoline gallon — cuts down motor wear — prolongs motor life.

But those are not the only advantages of Macmillan RING-FREE Motor Oil — it removes carbon *while you drive*. Start today getting the benefits of RING-FREE! Keep on using RING-FREE to get *all* the benefits, *all* the time.



**MACMILLAN PETROLEUM CORPORATION**

50 W. 50th St., New York 20 • 624 S. Michigan Ave., Chicago 5 • 530 W. 6th St., Los Angeles 14  
Copyright 1944, Macmillan Petroleum Corp.

*Life Visits a Penny Arcade (continued)*



Career Pilot operated by soldier (above) tells how to set his vocational sights. Kiss-O-Meter at right measures "thrill of your kisses" as "exciting," "sour," "naughty."



Pinball machines are popular. Wonderland has 25, called variously Sky Chief, Border Town, Sport Parade and School Days, with appropriate mechanical obstacles.



Shooting gallery is 50 ft. long. Its best patrons are servicemen. They also like gun machines whose targets are miniature planes moving slowly across a simulated sky.





Love-rating machine operates similarly to Kiss-O-Meter. For a penny the curious measure their potency in this field. Bells announce result. Five rings is top rating.



Picture machines dispense framed photographs almost instantaneously for a dime. Because of their size they are fancied by servicemen for toting in their pockets.



PARATROOPS

WHERE DEPENDABILITY REALLY MEANS SOMETHING..



## *Dependable* ..CHAMPION SPARK PLUGS ARE ON ACTIVE DUTY!

Maximum performance and dependability are the two qualities that are absolutely essential in spark plugs for our armed forces. Champion Spark Plugs have certain exclusive and patented features which insure these qualities and are being used by our armed forces, on land, water and in the air. The traditional dependability of Champions under the most adverse operating conditions is thus being emphasized as never before. You too can depend on Champions for better performance in every engine.



TO SAVE  
GASOLINE  
—KEEP SPARK  
PLUGS CLEAN

LET'S ALL BACK THE ATTACK—BUY WAR BONDS



## PICTURES TO THE EDITORS

### ONE FOR THE ALBUM

Sire:

When she grows up and becomes famous, pretty little Marita Holts is going to wish this picture had never been taken. When I was making a group picture of the Holts family recently, I found Marita the most cooperative member of the family—until I got behind my camera. Then, star-

ted by the photographer's black hood, Marita burst into tears as I snapped the shutter. Here she stands, unfortunately immortal, in front of her more restrained sister Elina.

TORKEL KORLING

Chicago, Ill.



**YES!** UNGUENTINE is more than a simple ointment. It is scientifically medicated to relieve pain and to destroy germs with which it remains in contact.

Indeed, you get *three-way* action when you put UNGUENTINE on a minor burn, scrape or cut...

- ① It relieves pain—
- ② Its antiseptic action fights infection—
- ③ And it promotes healing—usually without a scar.

Why treat the little injuries of everyday life with one-way products—when you can get *three-way* UNGUENTINE\*? It's the thing to use for Home First Aid.



In handy tubes or family size jars at your drugstore

Norwich

\*Reg. U.S. Pat. Off.

A NORWICH PRODUCT

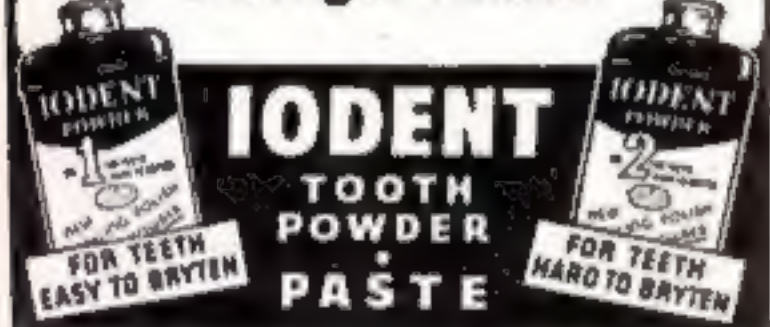




# IODENT

**DEFENDS AGAINST** *Smoke Smudges*

Choose  
**PASTE or POWDER**  
Iodent No. 1 for teeth  
easy to bryten and  
No. 2 for teeth hard to  
bryten are made by a  
Dentist. Choose the  
texture to suit your  
teeth and watch those  
smudges vanish.



**HOW TO SHAVE BELLO**  
Bello, grinding stone, sharpener,  
caves, shaver, instant comfort, fast  
shave, no razor, no soap, no lather,  
no water, no trouble, no pain. No. 1  
and No. 2. **SEND \$4.50** for  
one year's use. 1944. **SEND \$9.00**  
for two years' use. **SEND \$13.50**  
for three years' use. **SEND \$18.00**  
for four years' use. **SEND \$22.50**  
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When peace comes—and

Jane and Bill are happy in a home all their own—there will be new and improved Kalamazoo cooking and heating equipment to make kitchen hours shorter and real living more pleasant and enjoyable.

KALAMAZOO STOVE & FURNACE CO., KALAMAZOO, MICH.

*Speed the day of peace, buy War Bonds Now*



## PICTURES TO THE EDITORS

CONTINUED

### YOUNG DOCTOR KILDARE

Sirs:

The shortage of doctors has persuaded 8-year-old Richard Byrd Meyer to step into the breach. He plays doctor for hours at a time and holds weekly classes training a group of little girls as nurses to care for his instruments, learn the names of his "mixments" and assist in opera-

tions on a much abused doll. When off duty the overworked doctor bones up on his anatomy. His two "prize" nurses, in the operating picture, are Iris Anne, 6, and Jeaneane Matney, 4.

MRS. E. B. MEYER  
Amarillo, Texas



DOCTOR MEYER STANDS IN FRONT OF HOSPITAL, READY FOR HARD DAY'S WORK



HE REASSURES AN ANXIOUS PATIENT



AND PERFORMS DELICATE OPERATION

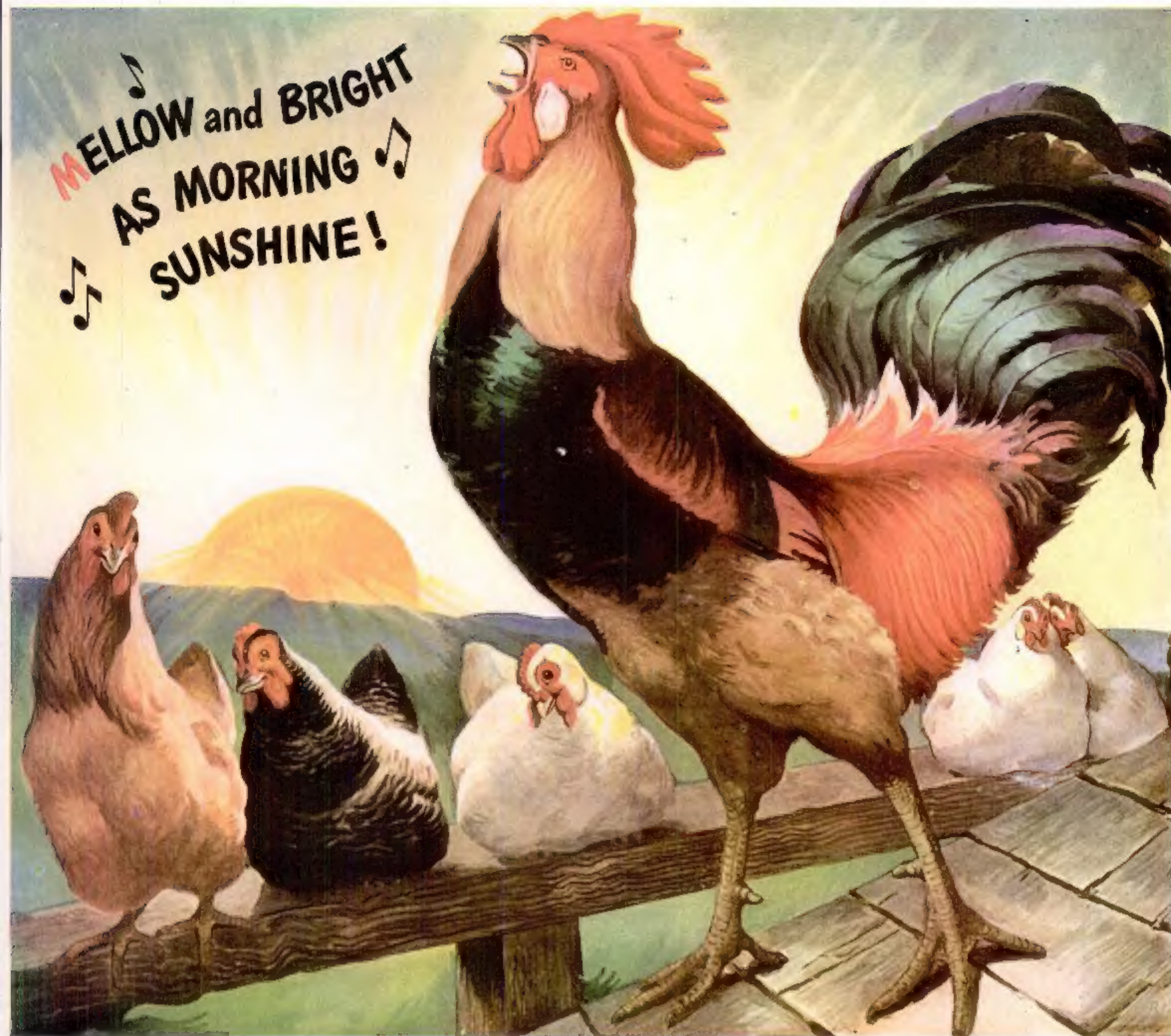


OFF DUTY THE HARD-WORKED MEDICO FINDS TIME TO KEEP UP ON HIS STUDIES

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MELOW and BRIGHT  
AS MORNING  
SUNSHINE!



## LIKE SUNNY MORNING IN YOUR GLASS

**H**OLD a drink of SCHENLEY Reserve up to the light — watch it wink and sparkle . . . just like a breeze-swept country morning. Now *taste* it — and you'll find a bit of sunny morning in your glass! Golden and mellow,

*smooth as sunrise*, SCHENLEY Reserve is the result of *real genius in blending*. It's America's first choice whiskey — because we made it America's finest! Try it . . . in a highball or mixed drink.

The whiskies in Schenley Reserve are supplied only from existing stocks. Our distilleries are now producing only alcohol for munitions, synthetic rubber and other important uses. Schenley has produced no whiskey since October 1942.

*Mellow and light as  
a perfect morning!*

**BUY MORE WAR BONDS!**



# SCHENLEY

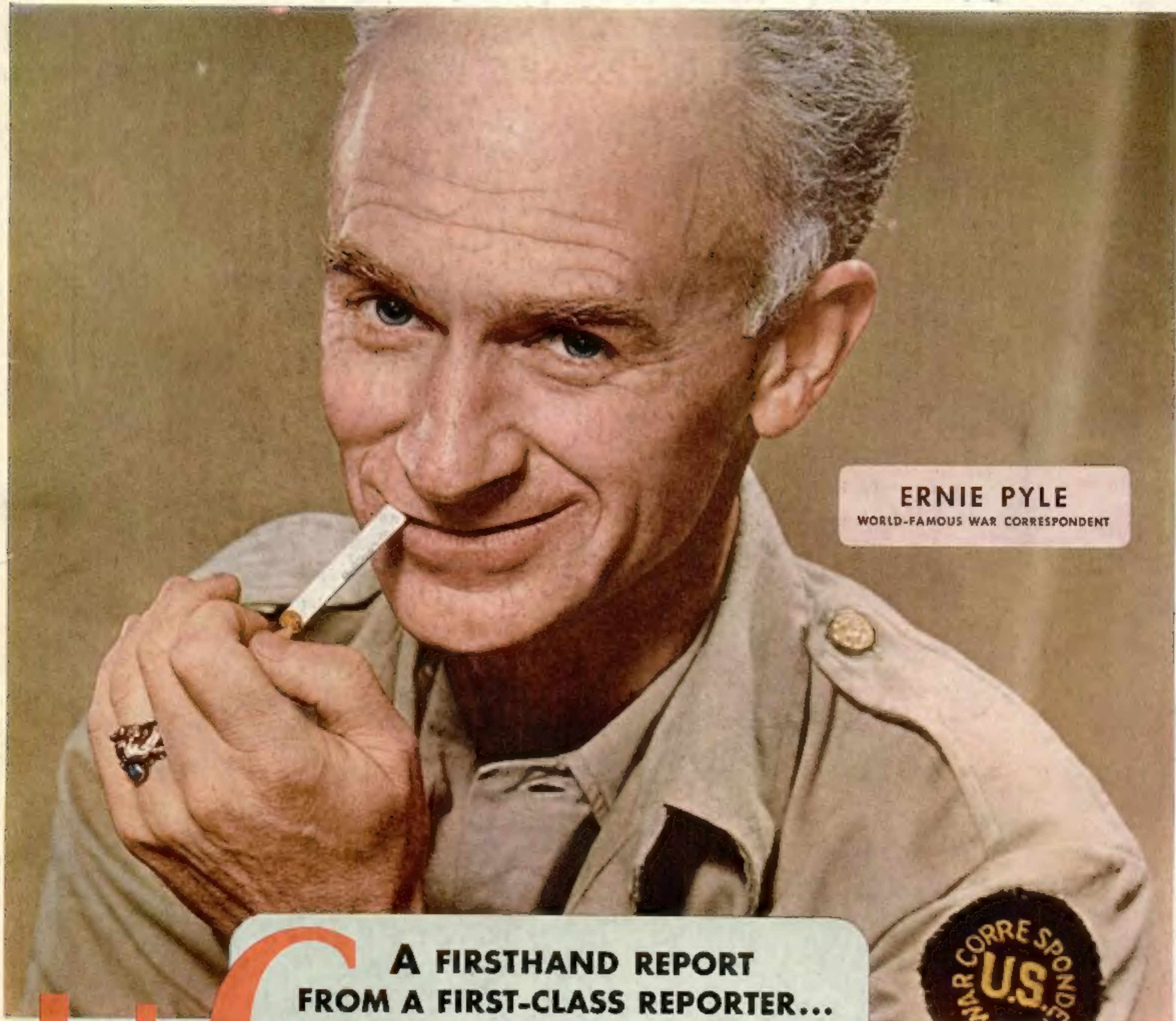
*Reserve*

BLENDING WHISKEY



Schenley Distillers Corporation, New York City. 86 proof — sixty per cent Neutral Spirits Distilled From Fruit and Grains.





**ERNIE PYLE**  
WORLD-FAMOUS WAR CORRESPONDENT

**A FIRSTHAND REPORT  
FROM A FIRST-CLASS REPORTER...**

# It's CHESTERFIELD

**ON EVERY FRONT I'VE COVERED...WITH  
OUR BOYS AND OUR ALLIES, CHESTERFIELD  
IS ALWAYS A FAVORITE**

*Ernie Pyle*

Chesterfields are milder and better-tasting for the best of reasons...they're made of the world's best cigarette tobaccos—but what's more... Chesterfield combines these choice tobaccos in a can't-be-copied blend that gives smokers what they want. That's why your Chesterfields really Satisfy. *They're the favorite of millions.*

